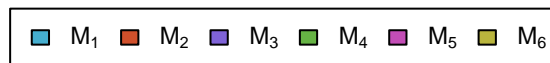


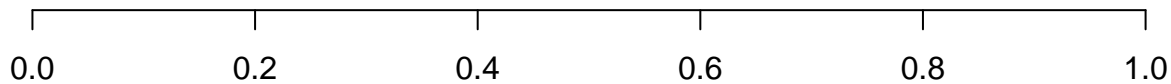
MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

Cit



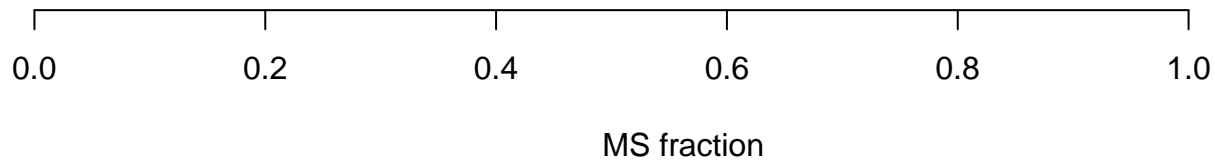
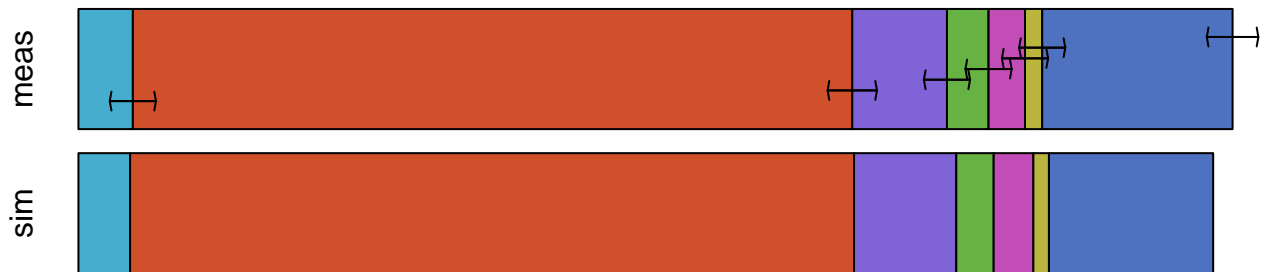
meas

sim



MS fraction

Fru6P

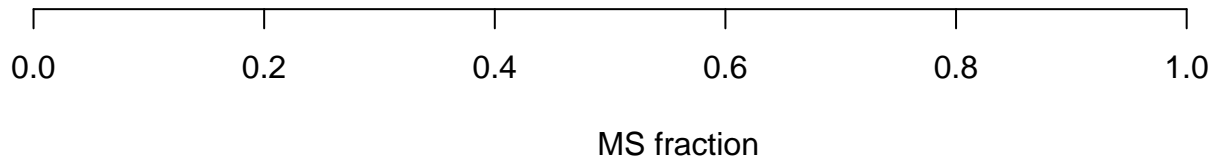
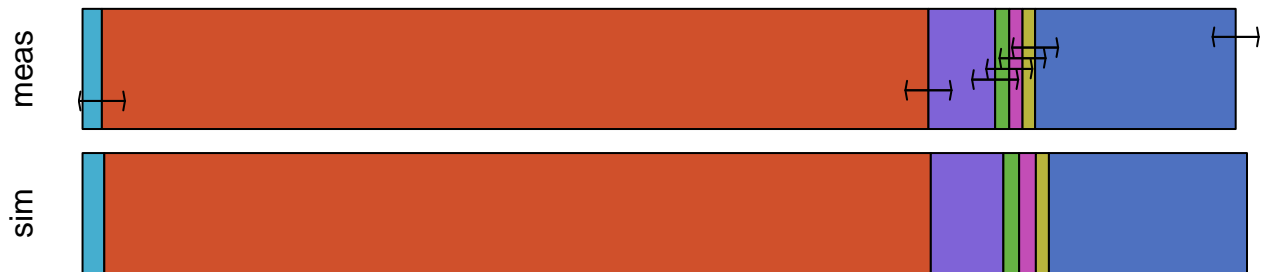


FruBP



MS fraction

Glc6P

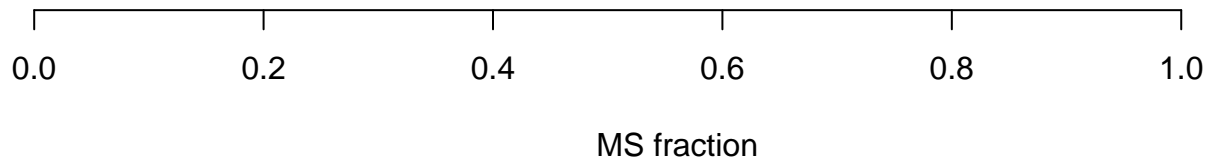


Gnt6P

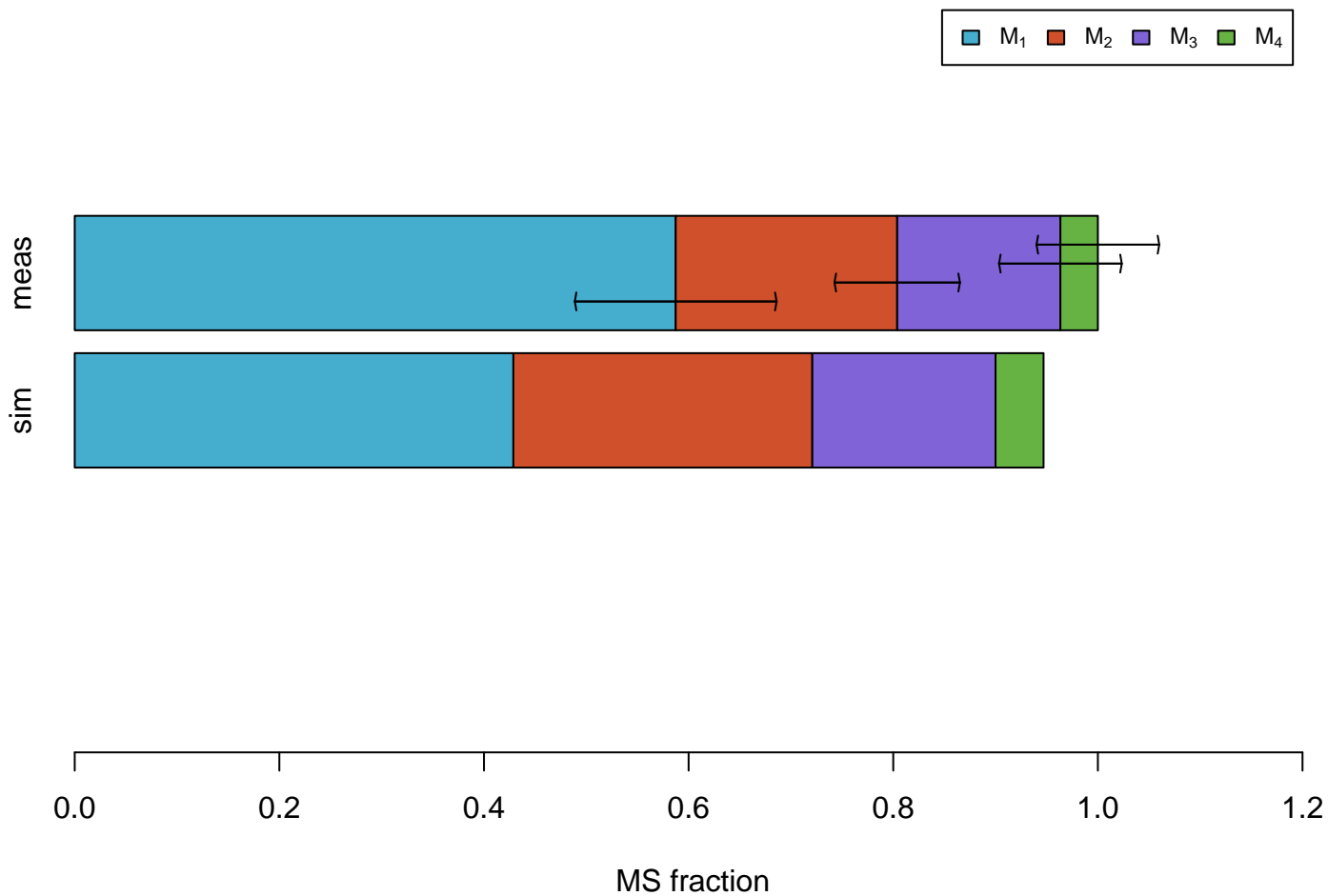


meas

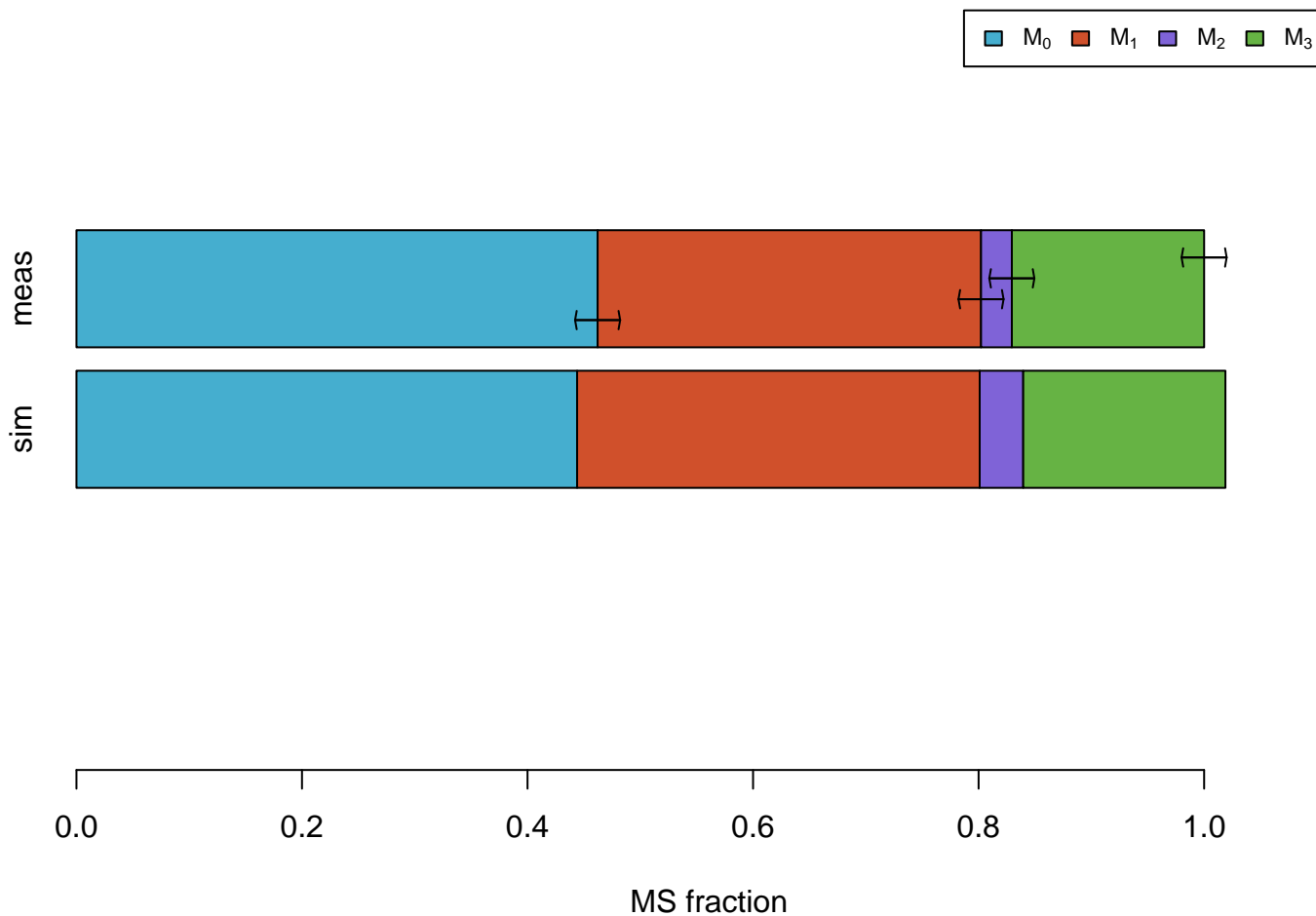
sim



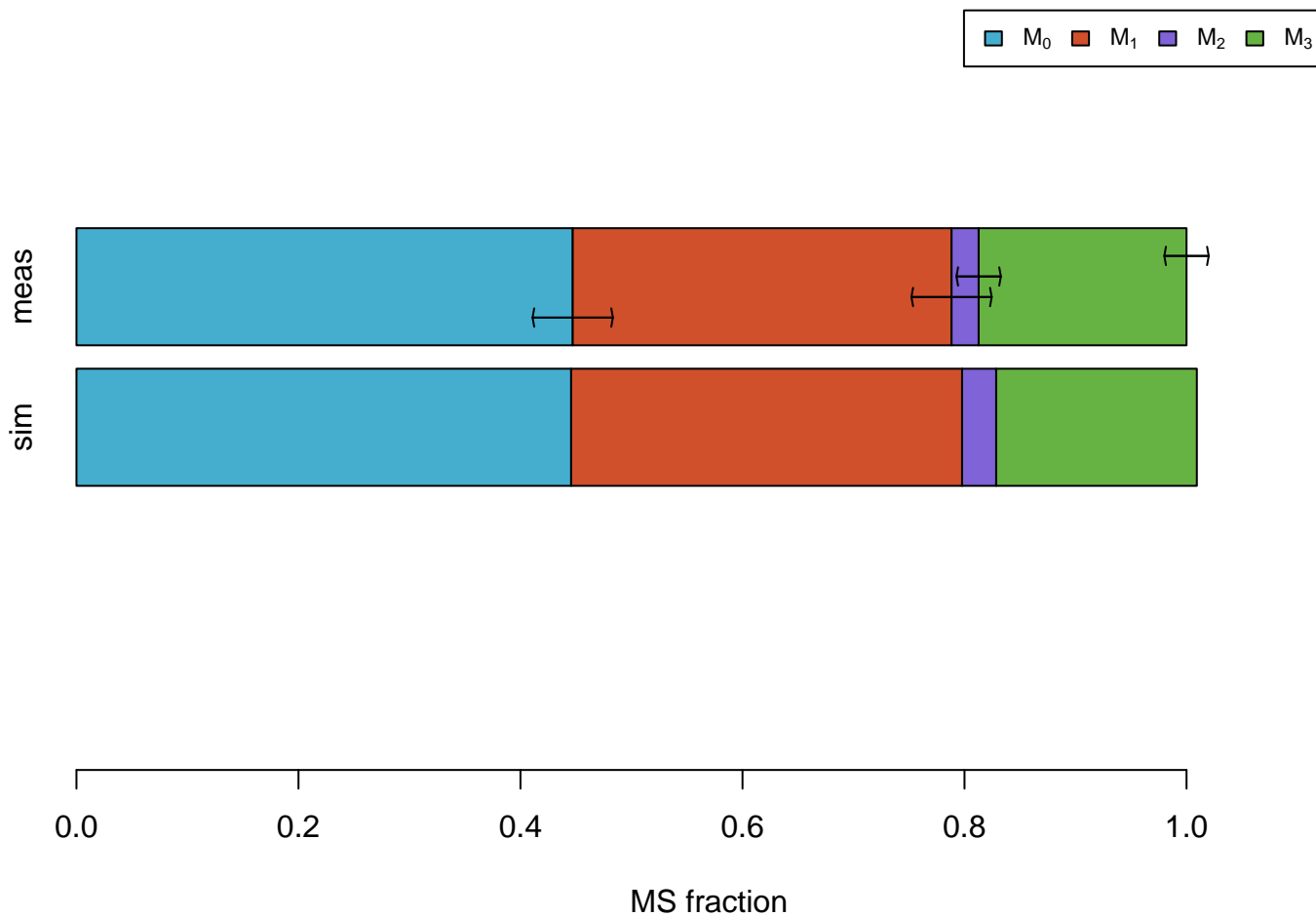
Mal



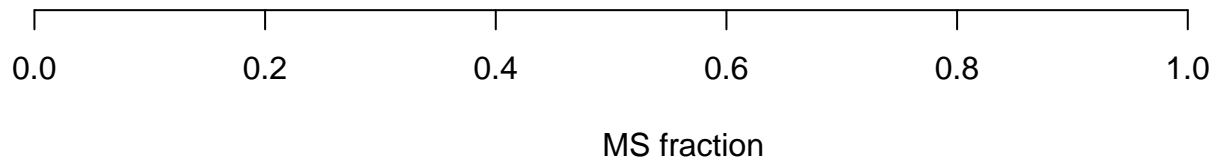
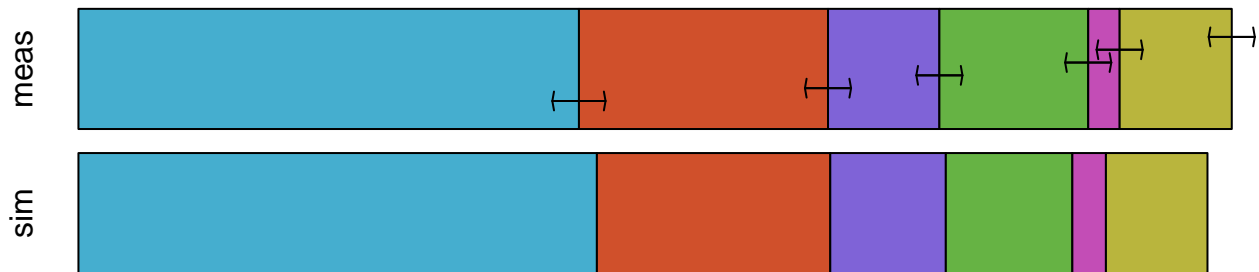
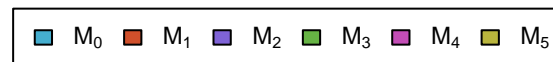
PEP



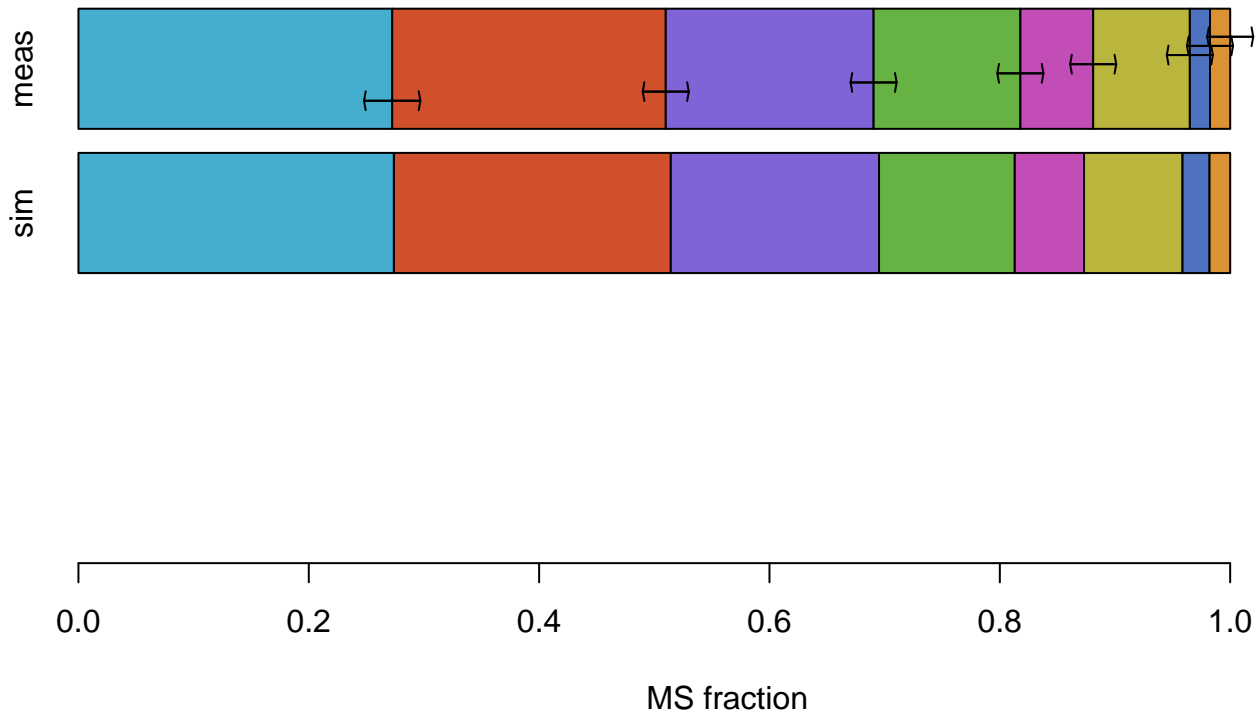
PGA



Rib5P+Xul5P+Rub5P



Sed7P



MS simulations

AcCoA



sim



0.0

0.2

0.4

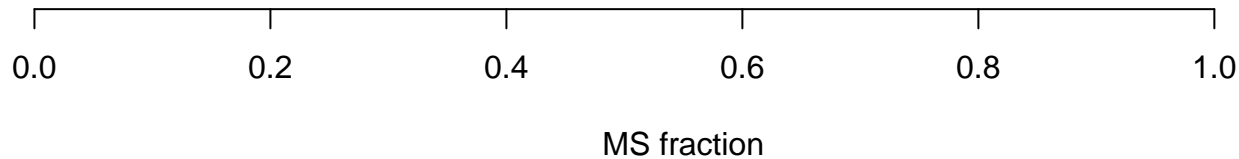
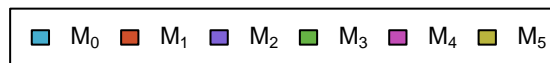
0.6

0.8

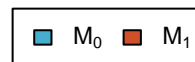
1.0

MS fraction

AKG



CO2



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

E2



sim



MS fraction

E3



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Ery4P



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

GA3P



sim



MS fraction

Glc



sim



0.0

0.2

0.4

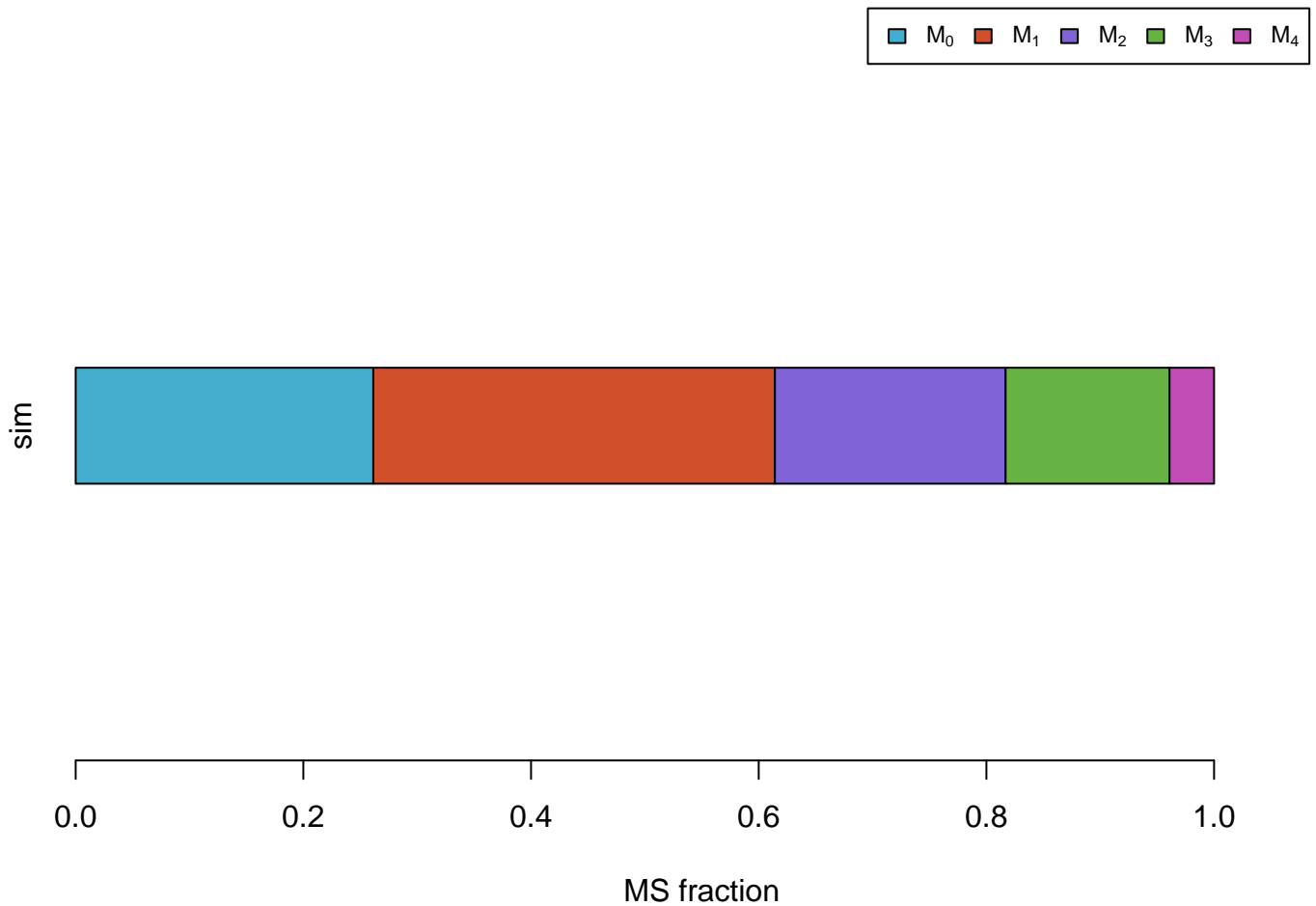
0.6

0.8

1.0

MS fraction

OAA



Pyr



sim



0.0

0.2

0.4

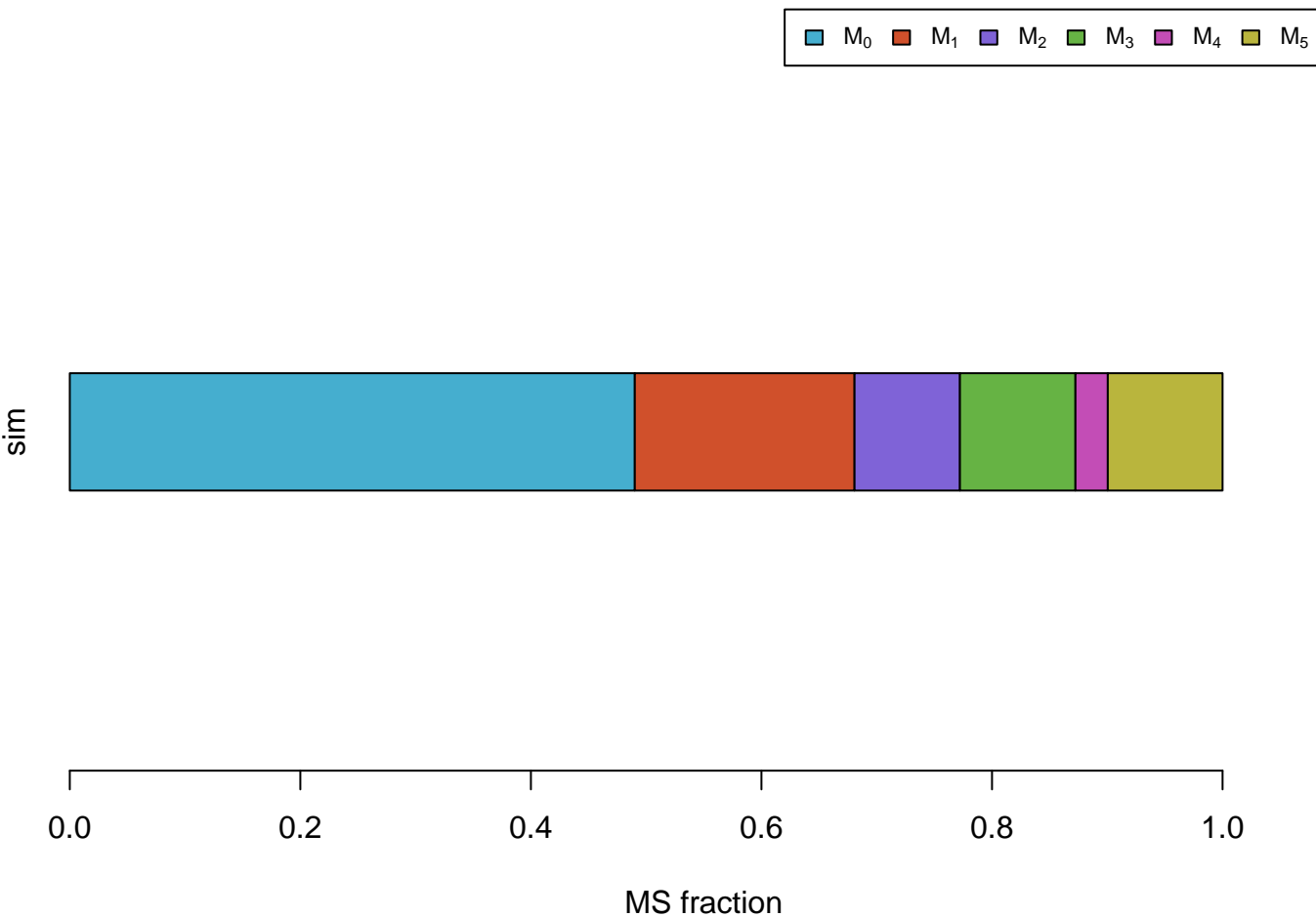
0.6

0.8

1.0

MS fraction

Rib5P



Rub5P

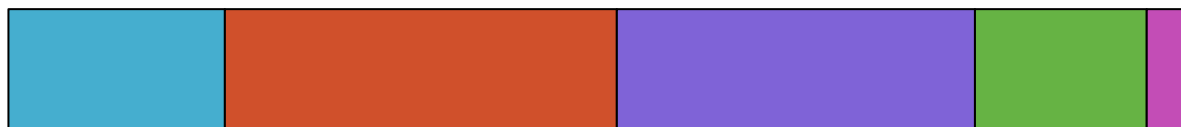


MS fraction

Suc

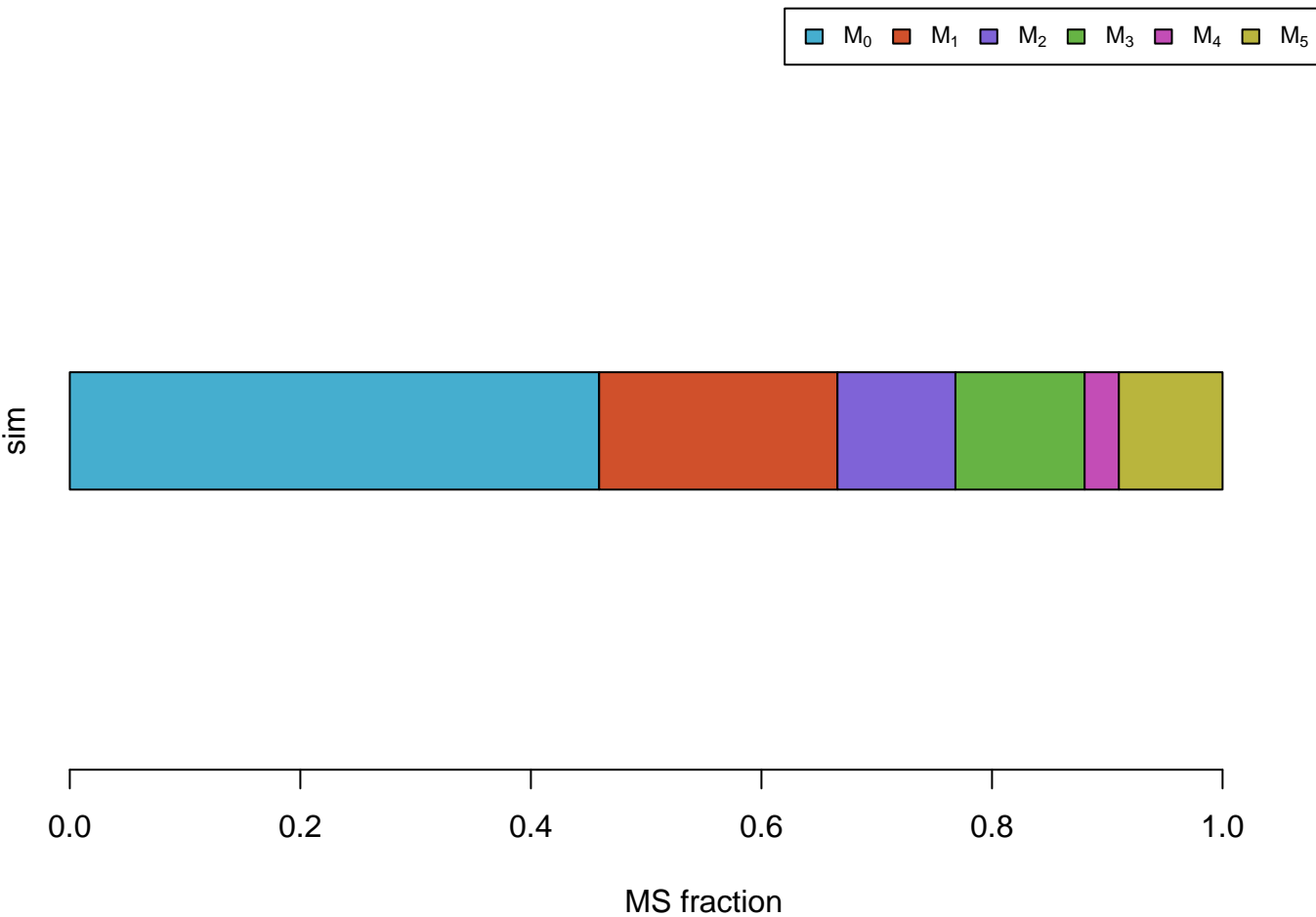


sim



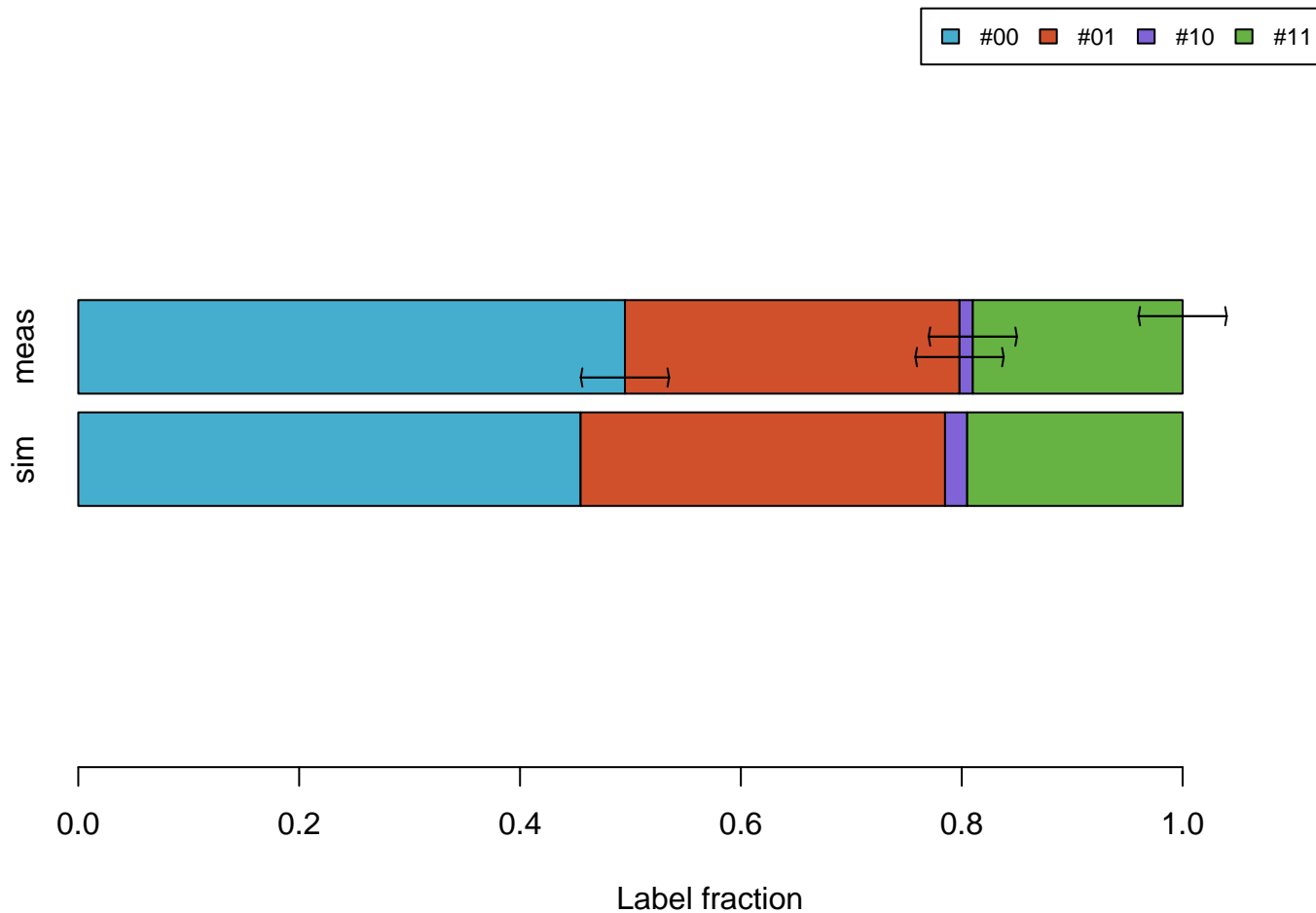
MS fraction

XuI5P



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

AcCoA

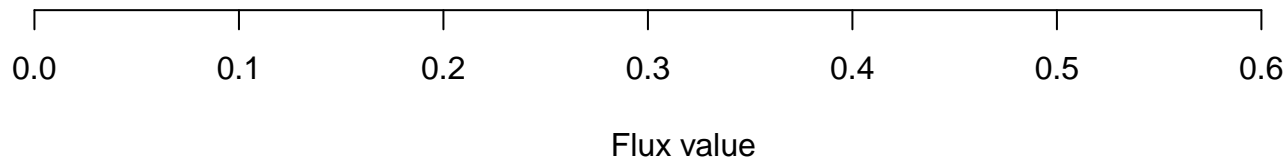


Flux measurements
(error bars= $\pm 2 \cdot \text{dev}$)

out_Ac

meas

sim

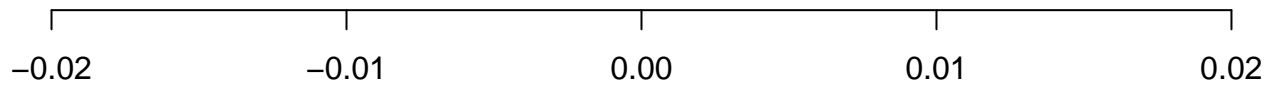


Metabolite pool measurements
(error bars= $\pm 2 \cdot \text{dev}$)

Cit

meas

sim

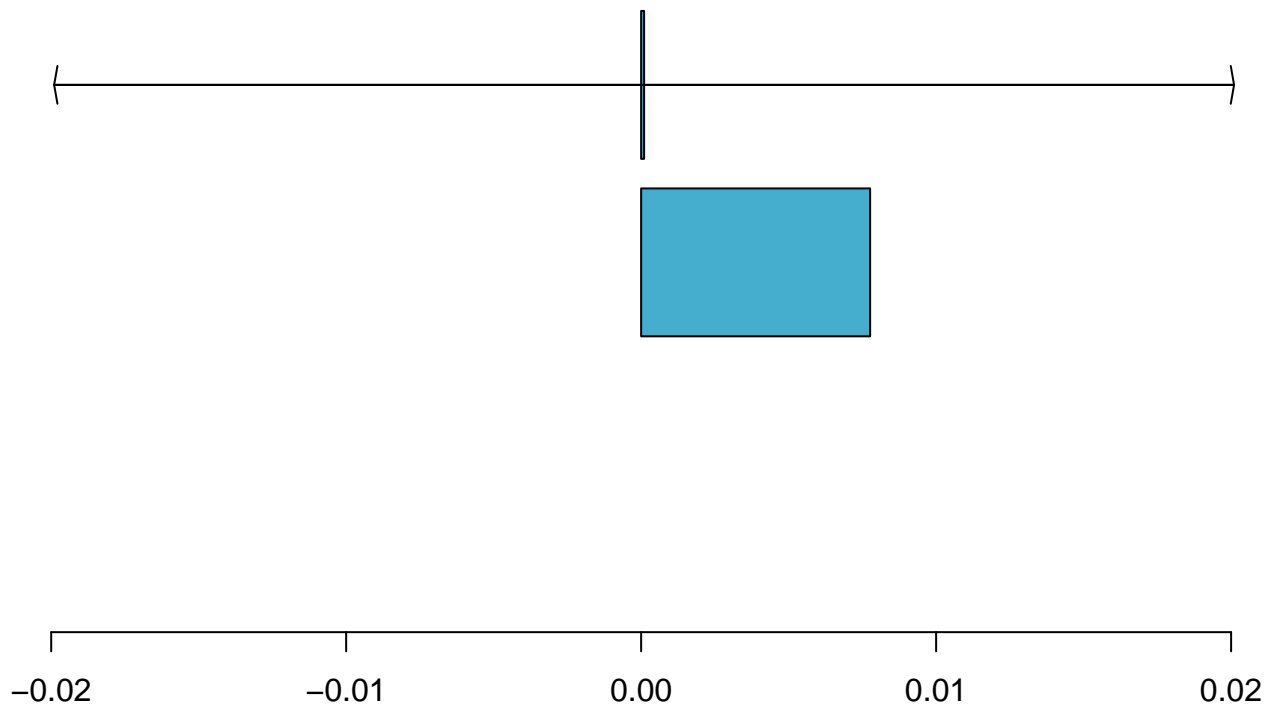


Metabolite concentration

Fru6P

meas

sim

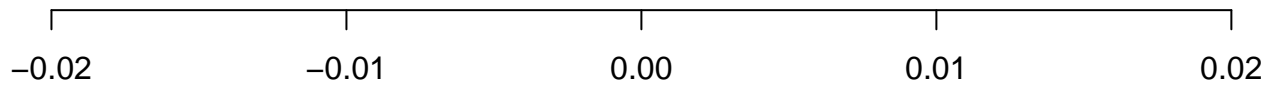


Metabolite concentration

FruBP

meas

sim

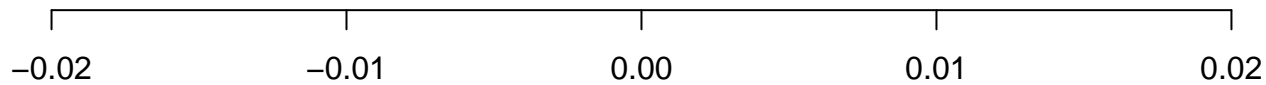


Metabolite concentration

Glc6P

meas

sim

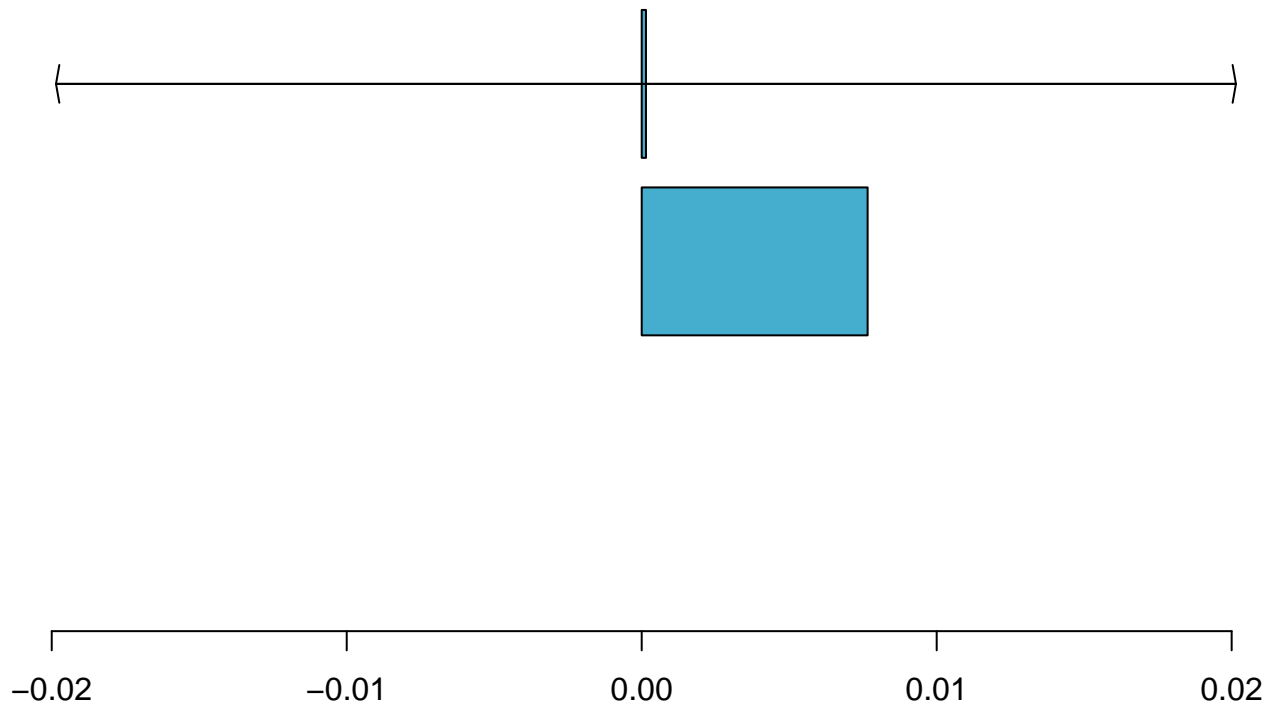


Metabolite concentration

Gnt6P

meas

sim

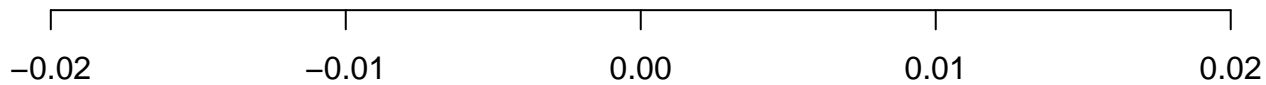


Metabolite concentration

Mal

meas

sim

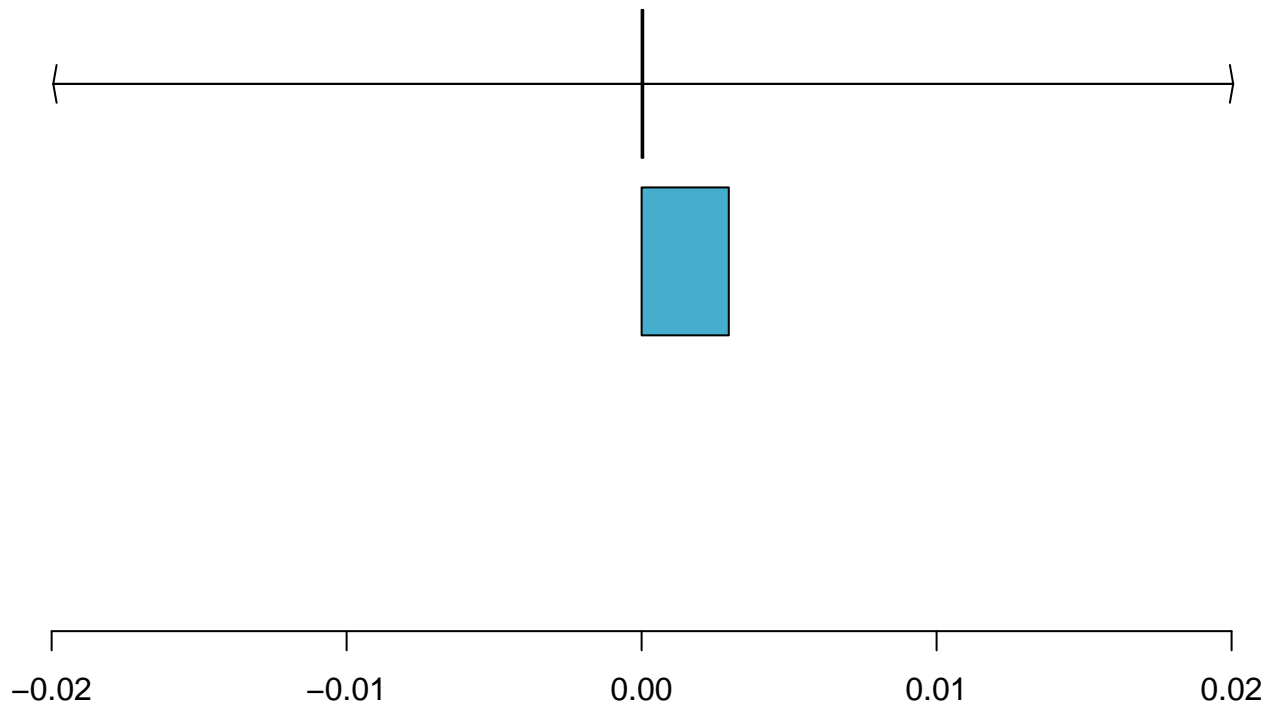


Metabolite concentration

PEP

meas

sim

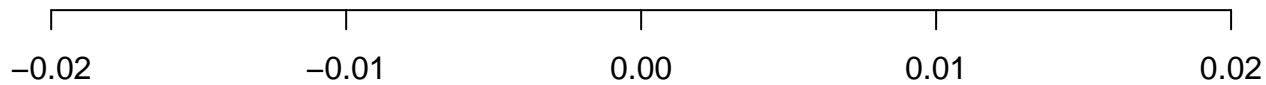


Metabolite concentration

PGA

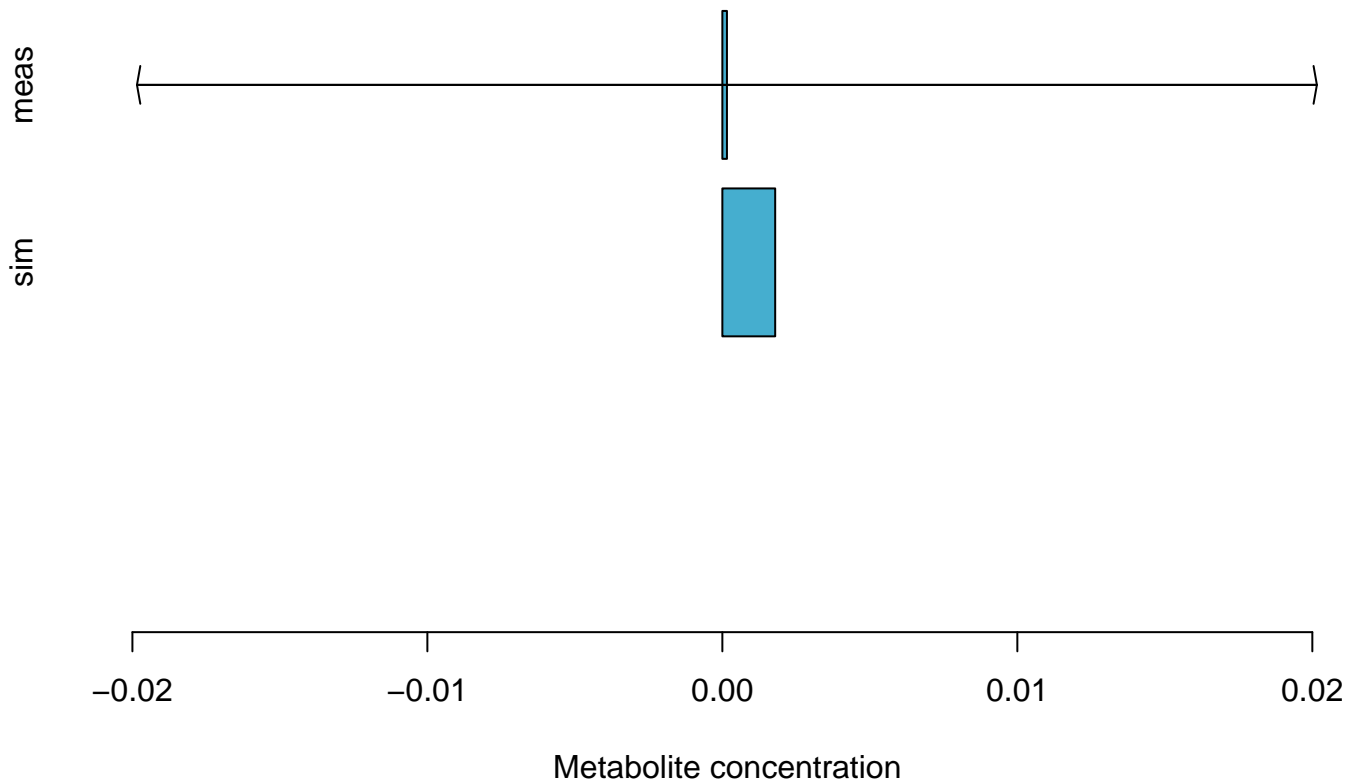
meas

sim

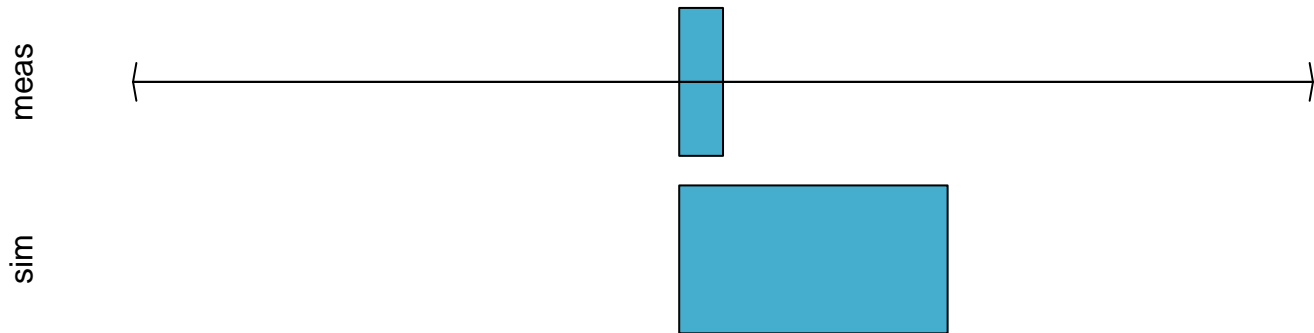


Metabolite concentration

Rub5P+Rib5P+Xul5P



Suc



-0.02 -0.01 0.00 0.01 0.02

Metabolite concentration