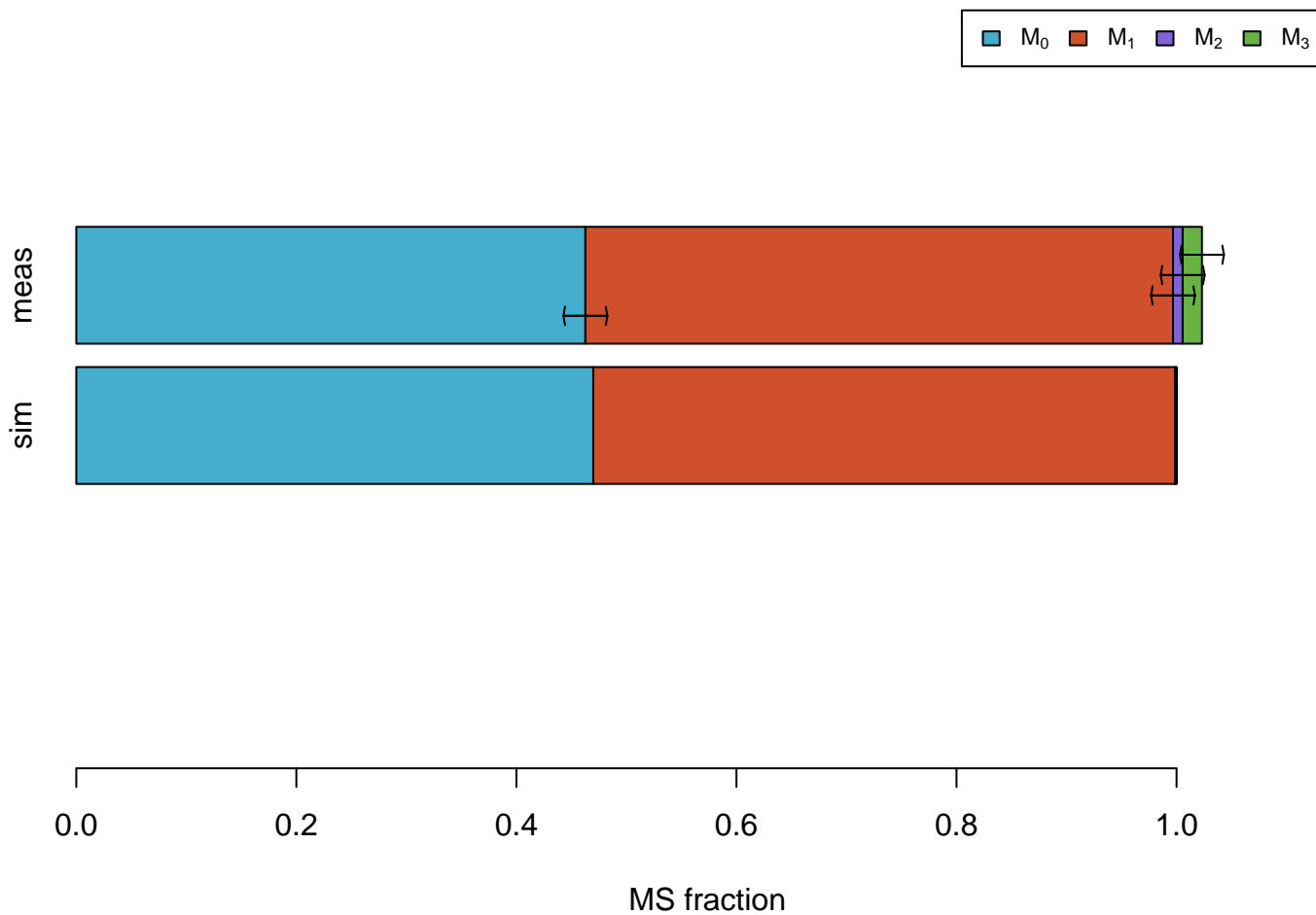
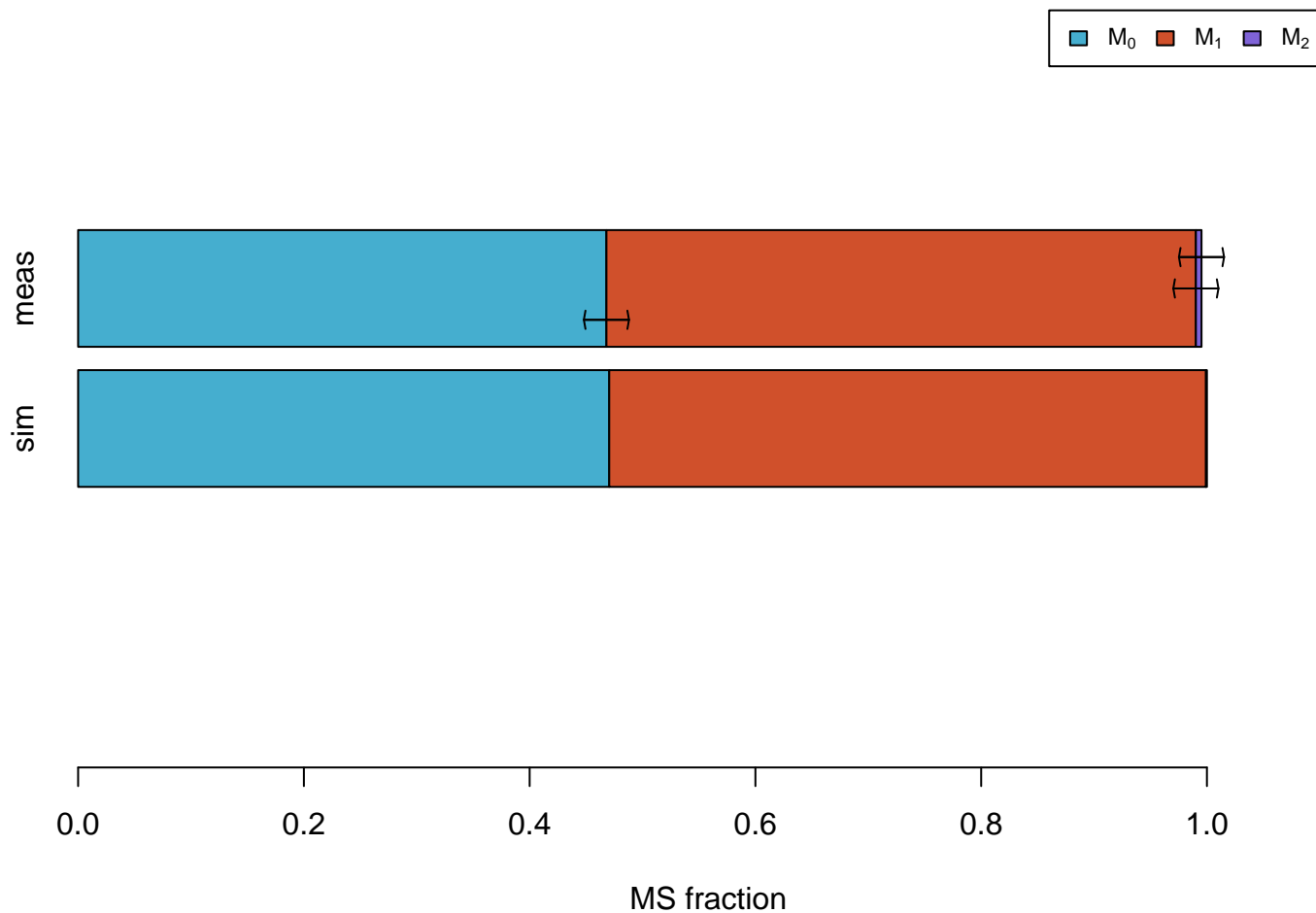


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

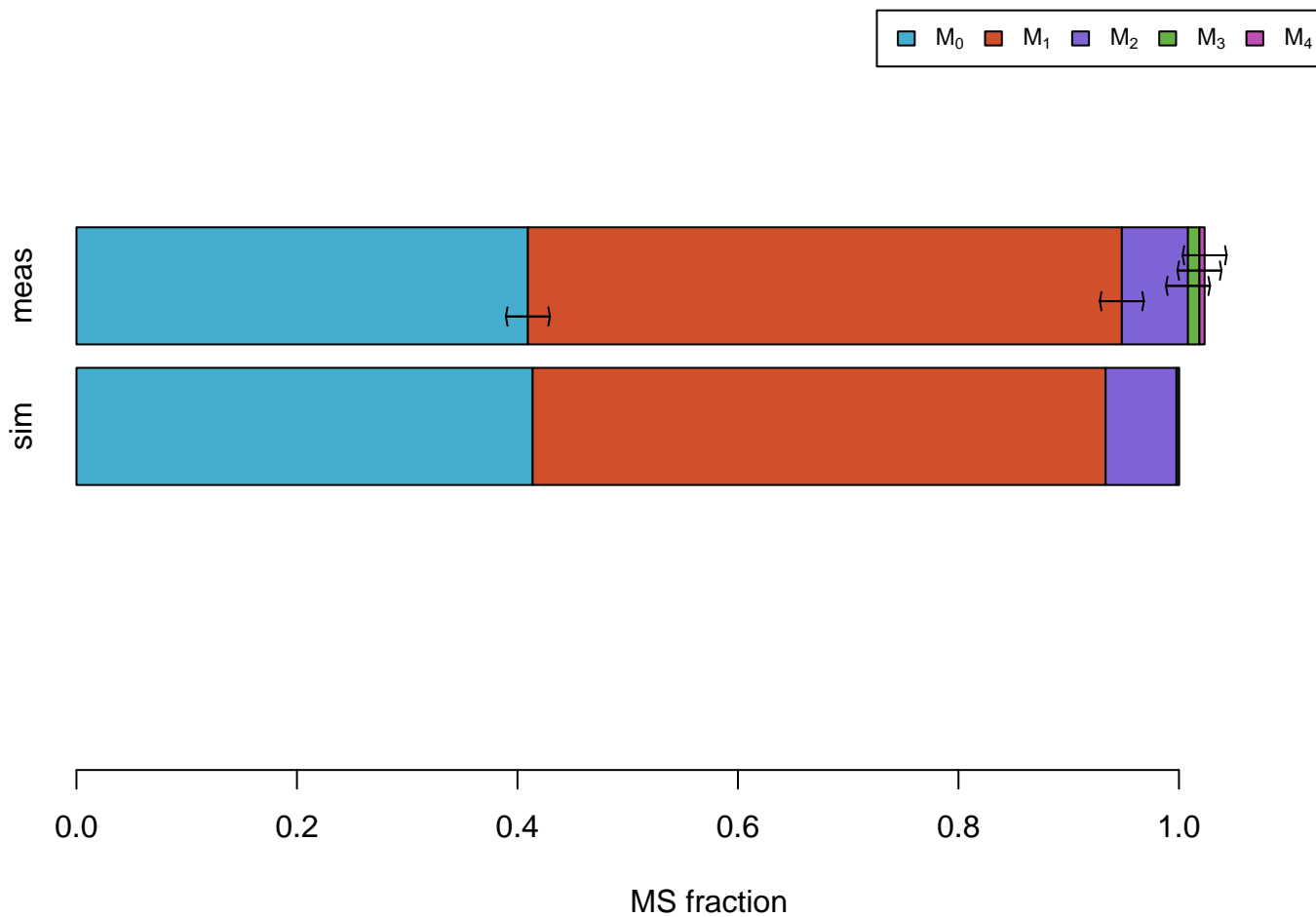
Ala



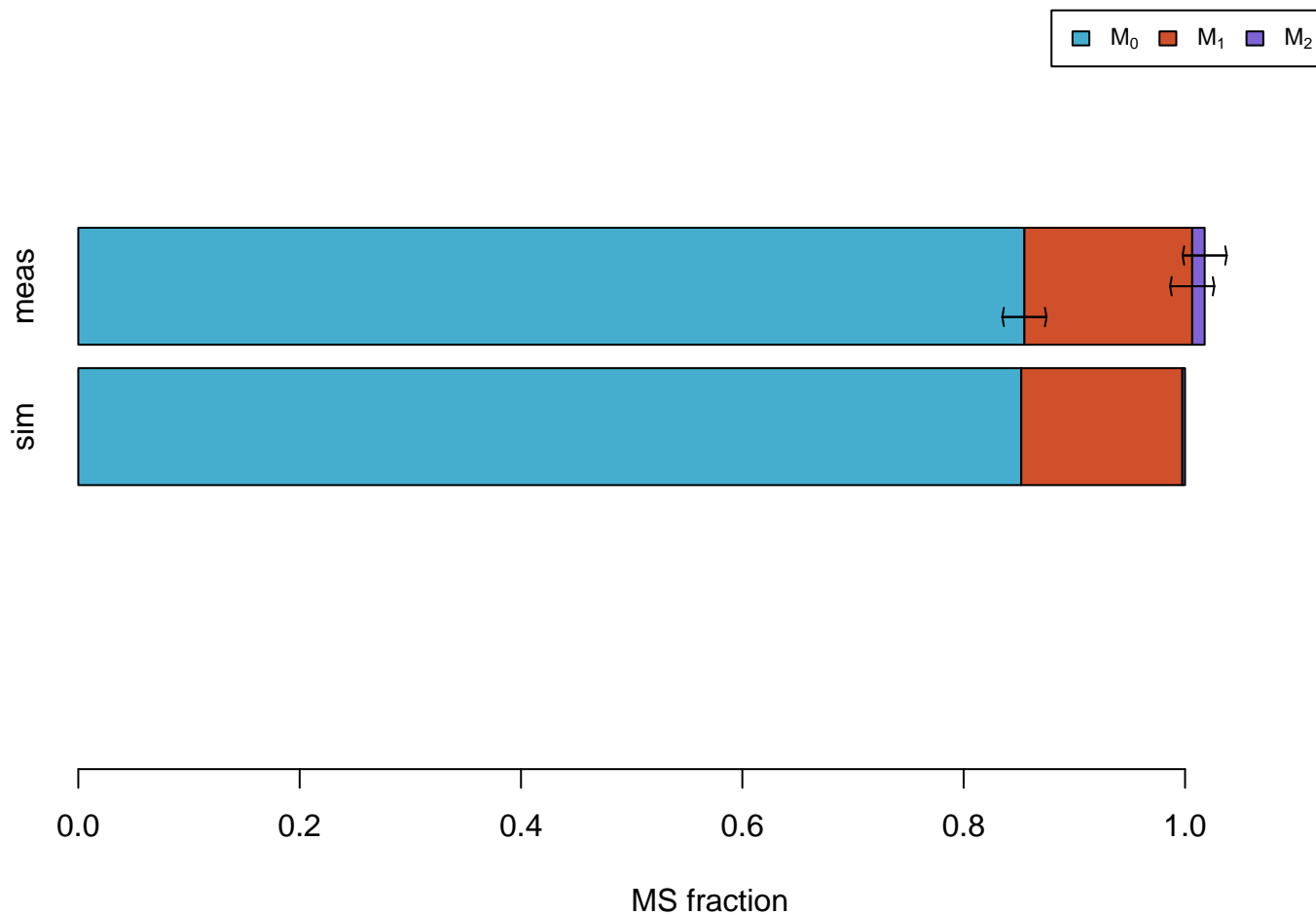
Ala #011



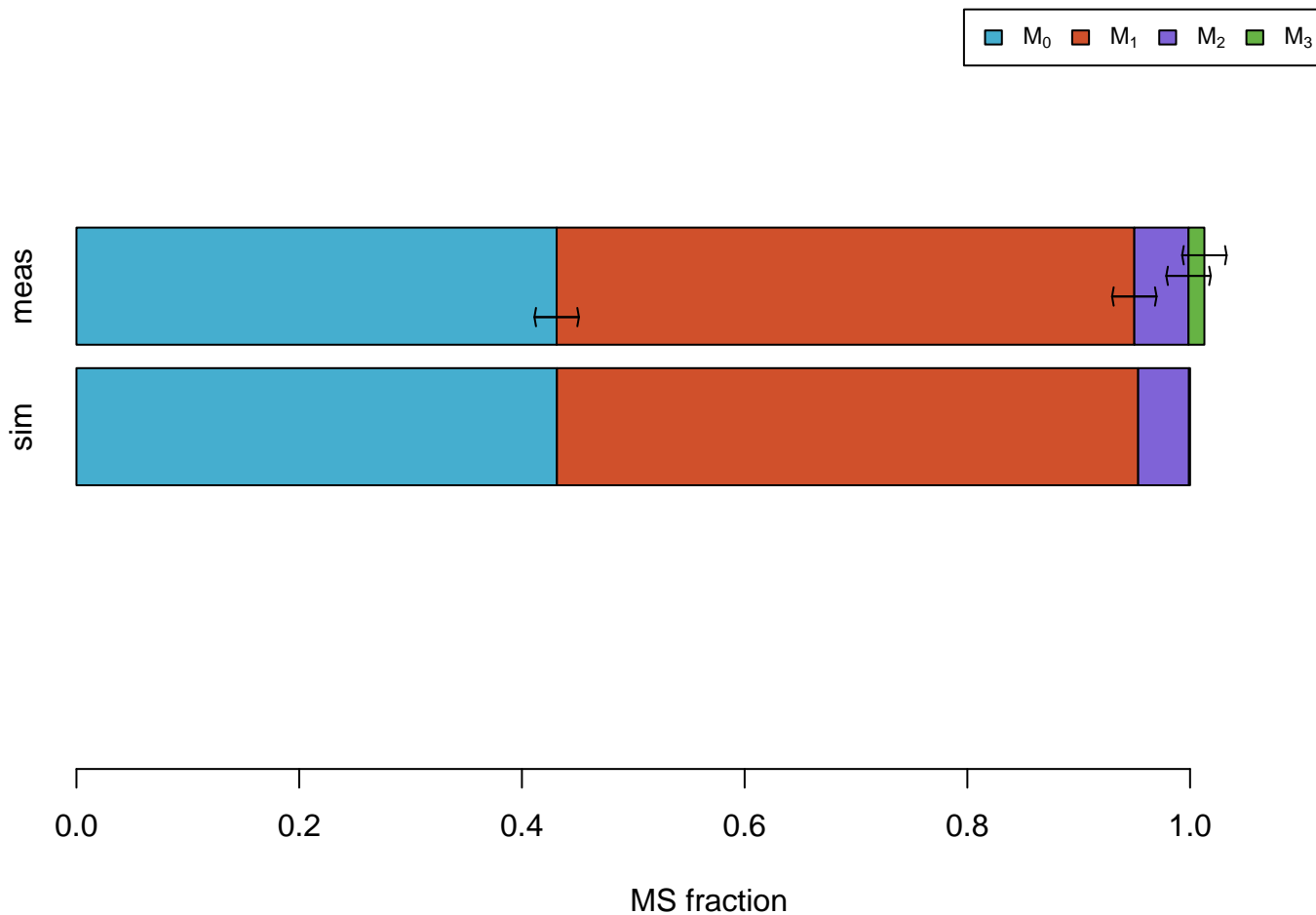
Asp



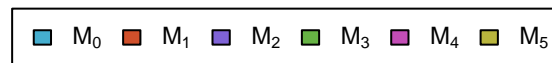
Asp #1100



Asp #0111

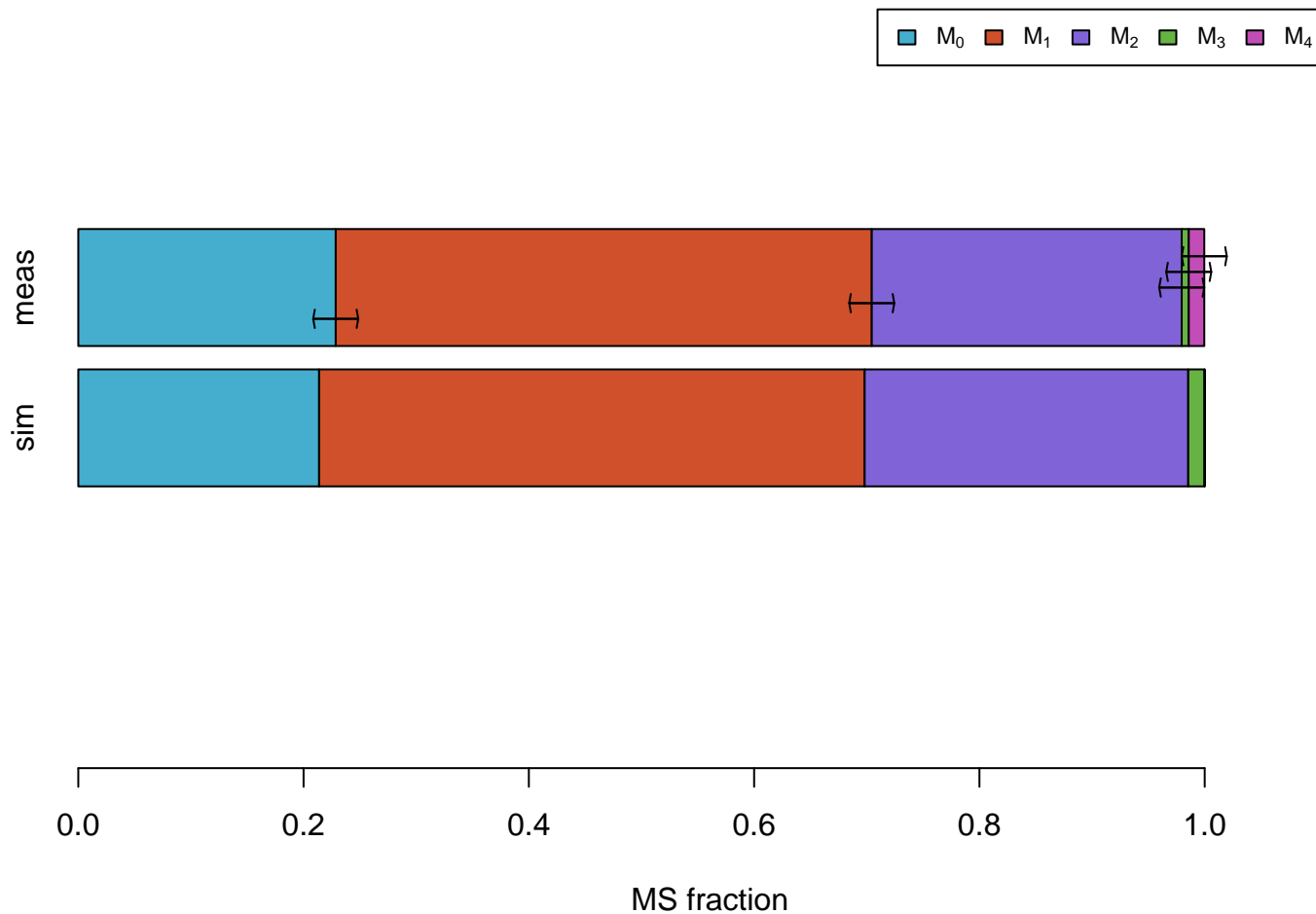


Glu

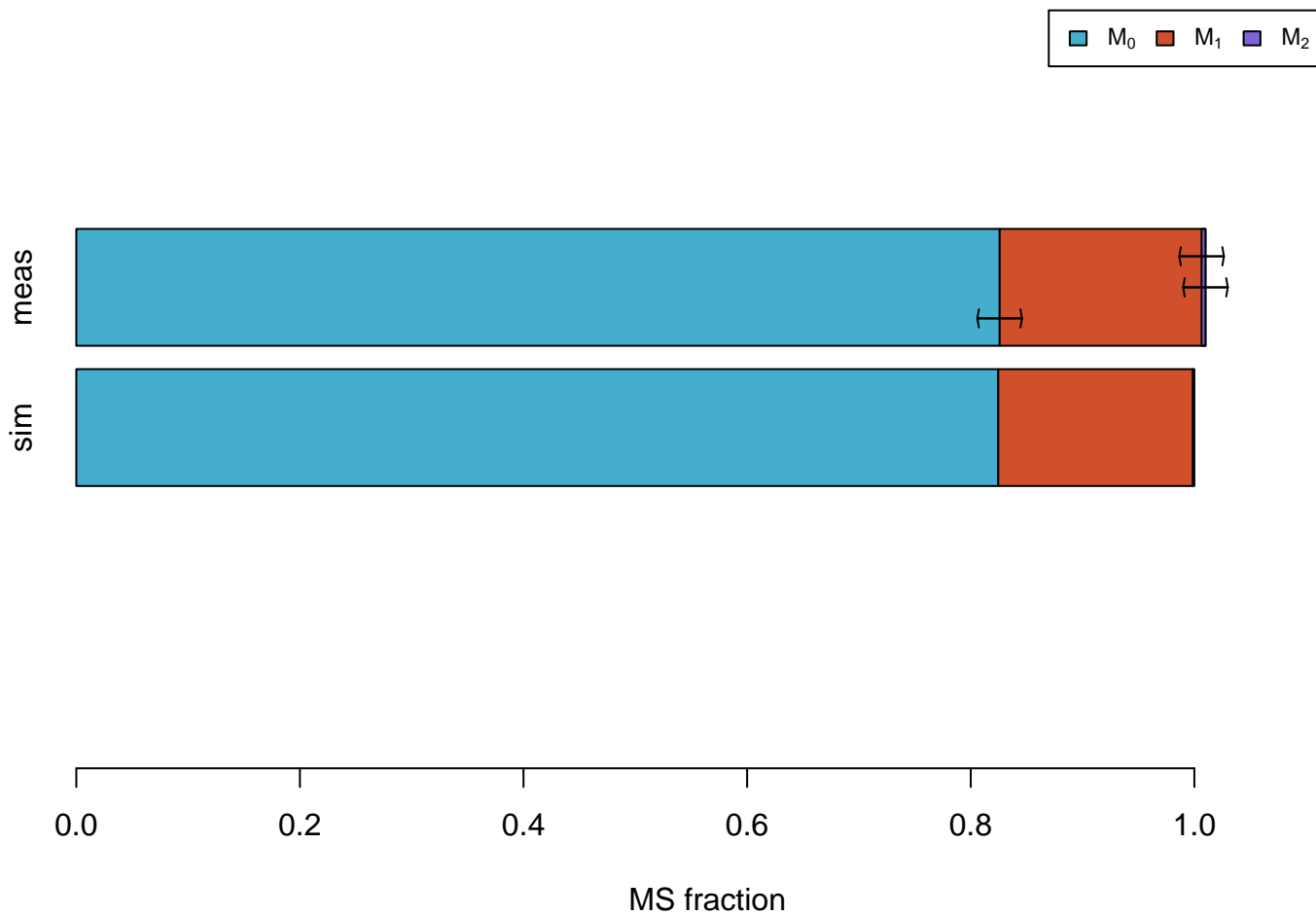


MS fraction

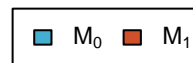
Glu #01111



Gly

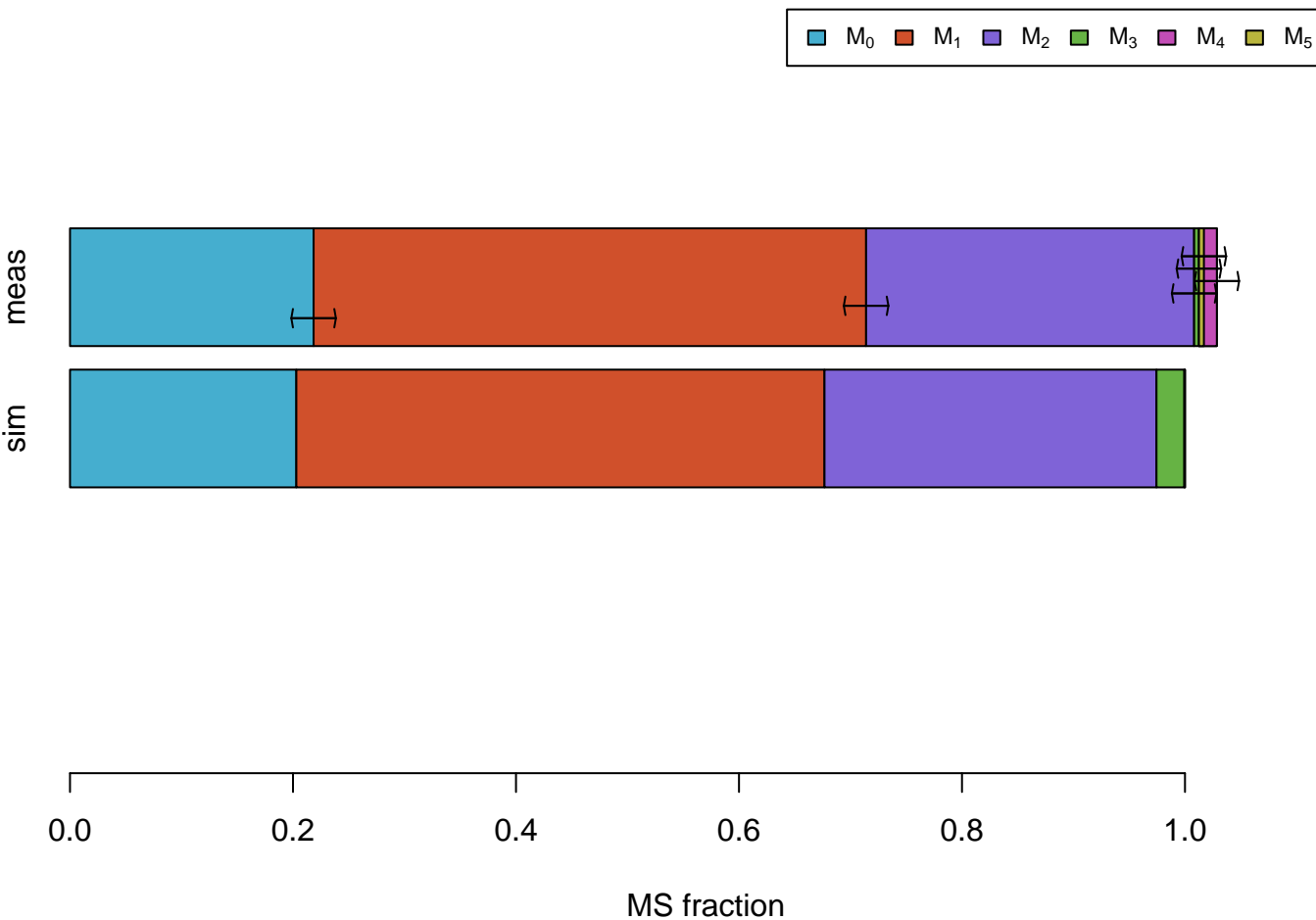


Gly #01

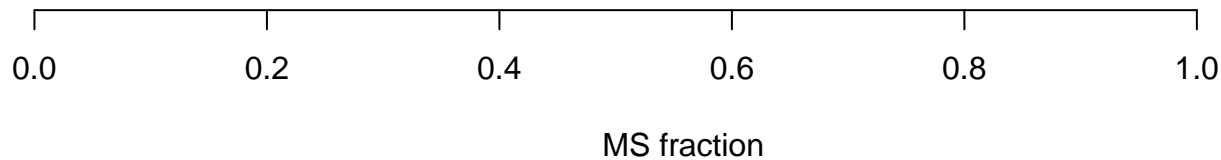
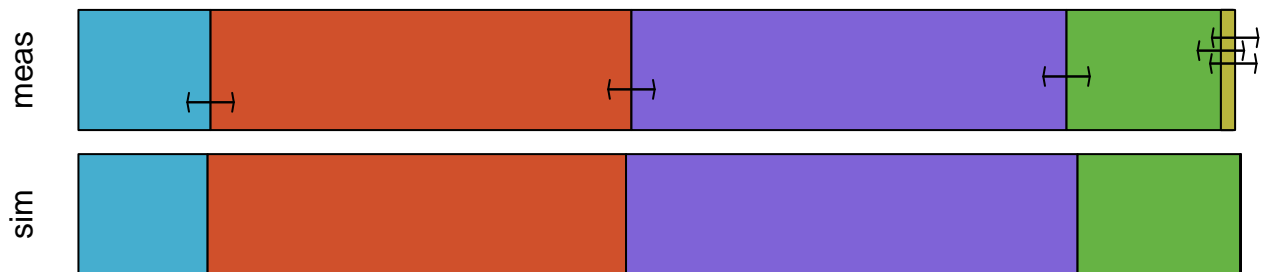
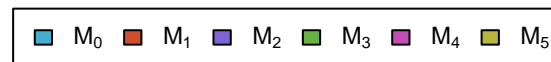


MS fraction

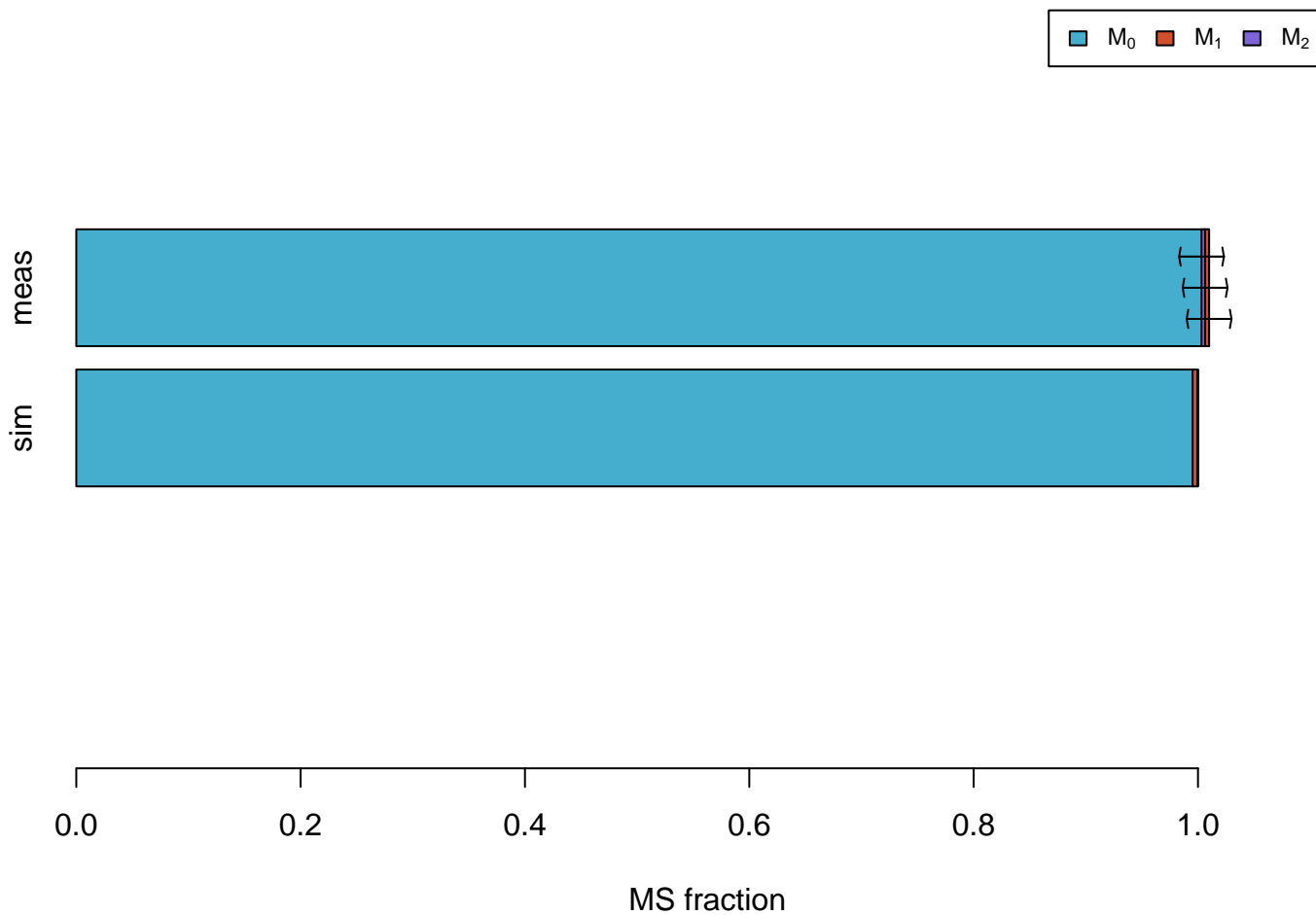
Ile #011111



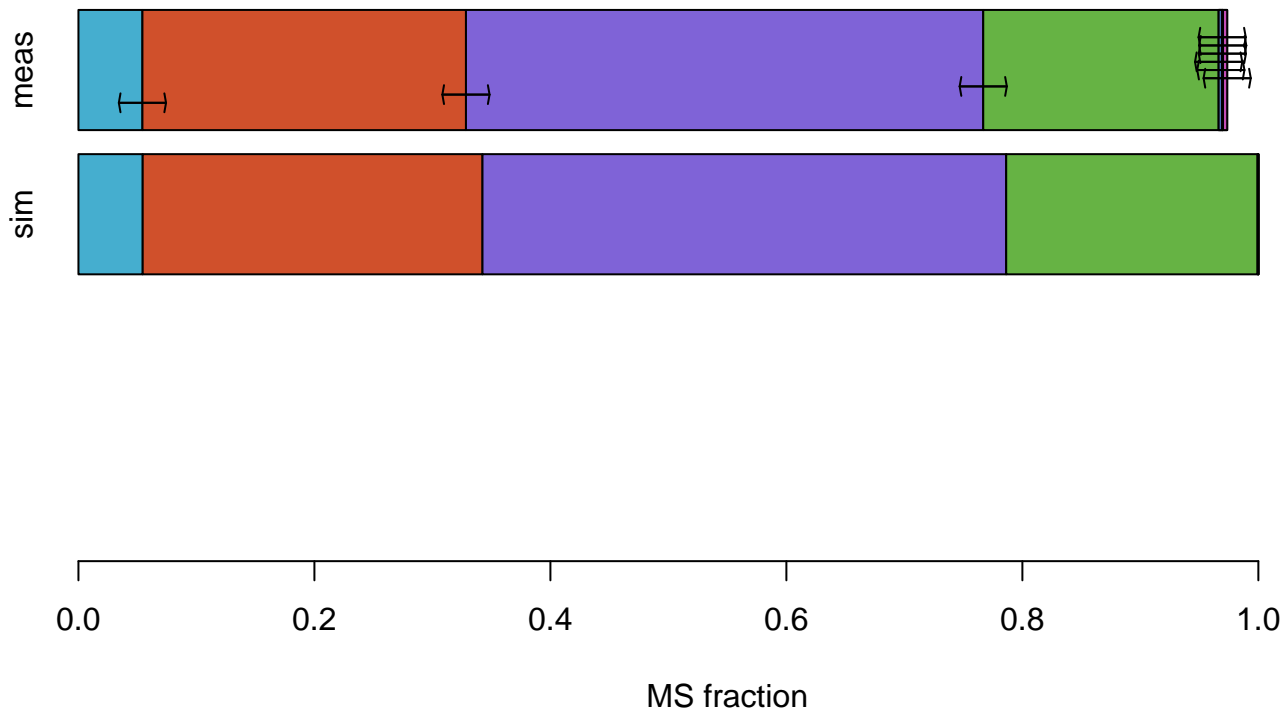
Leu #011111



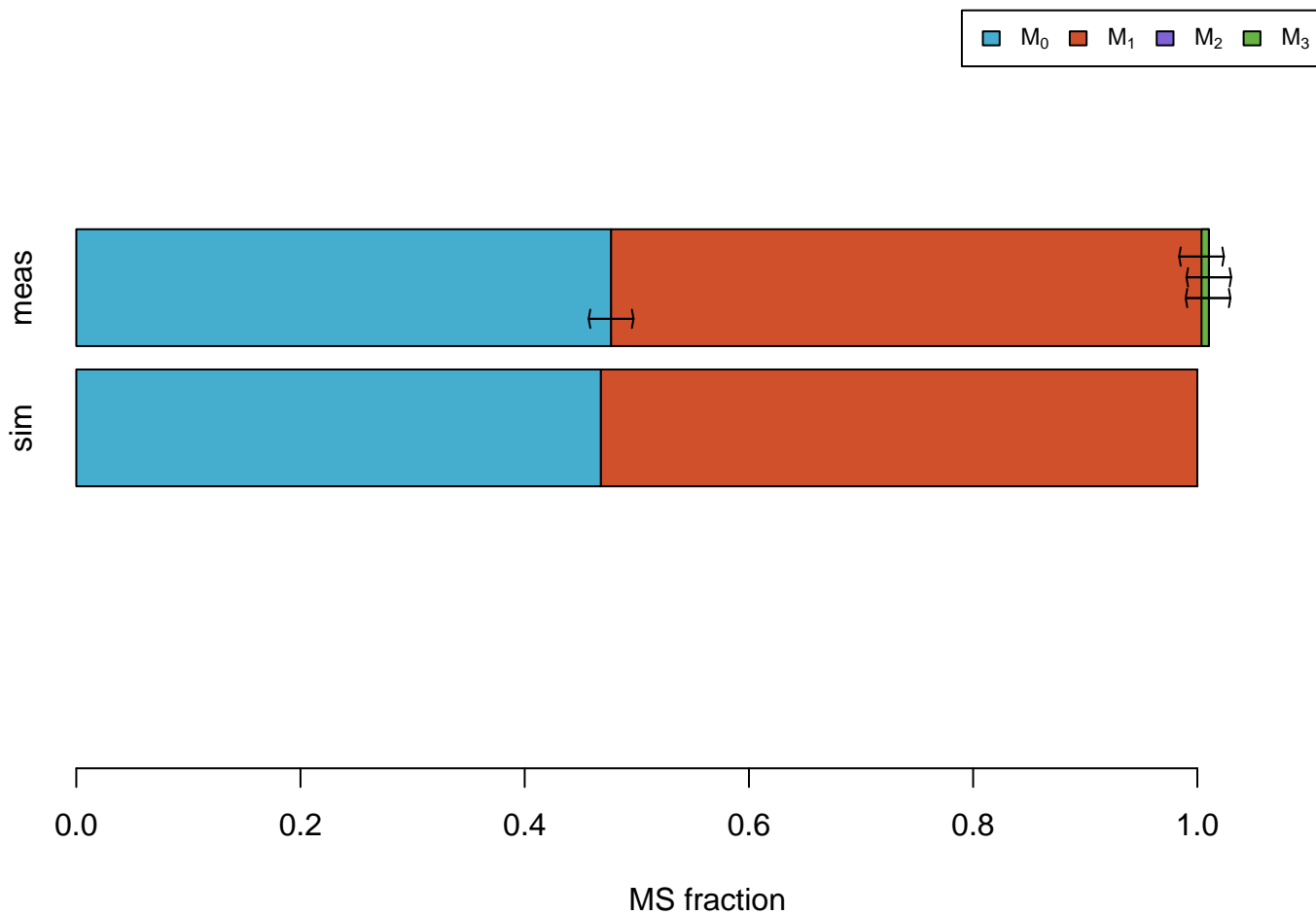
Phe #110000000



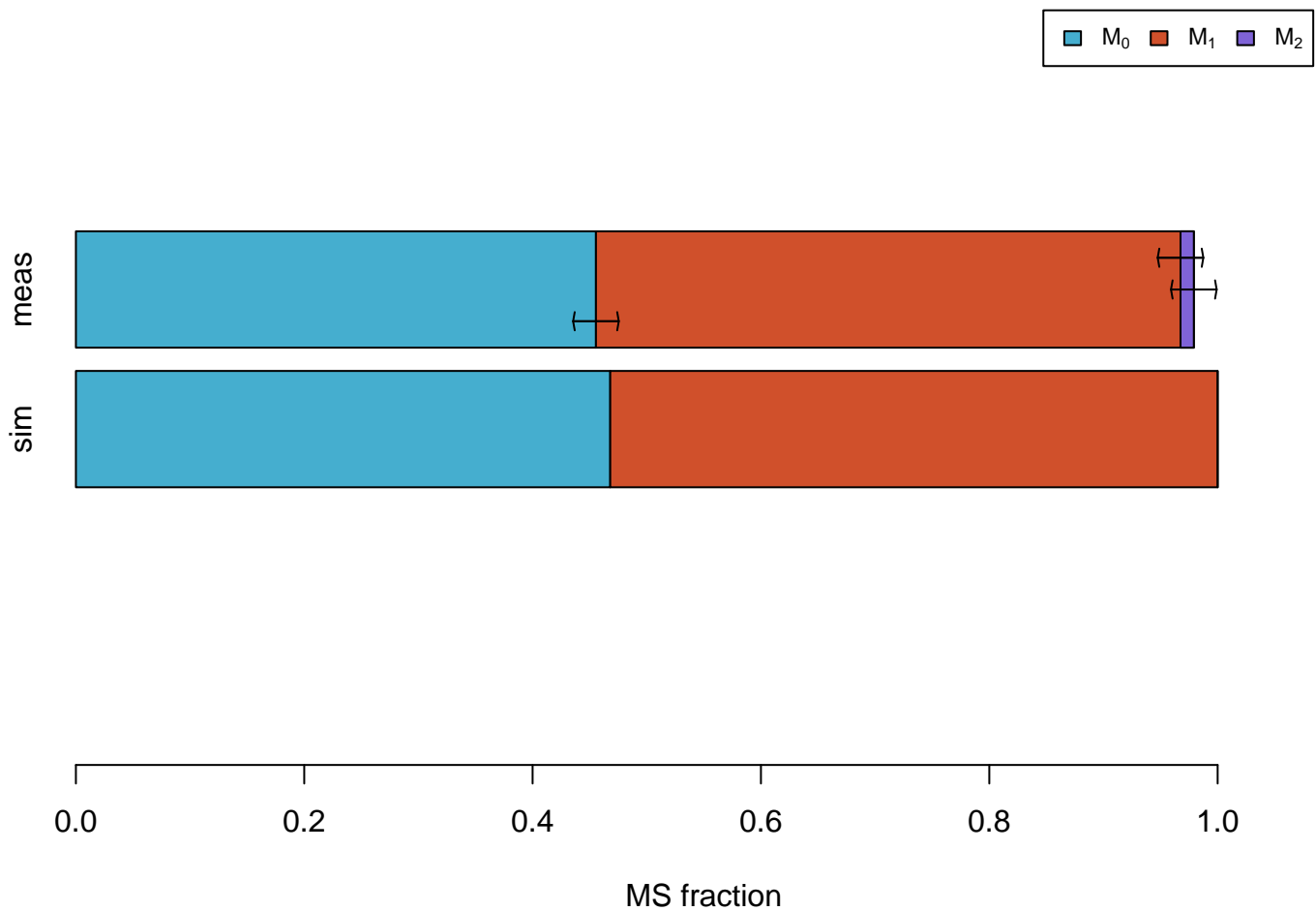
Phe #011111111



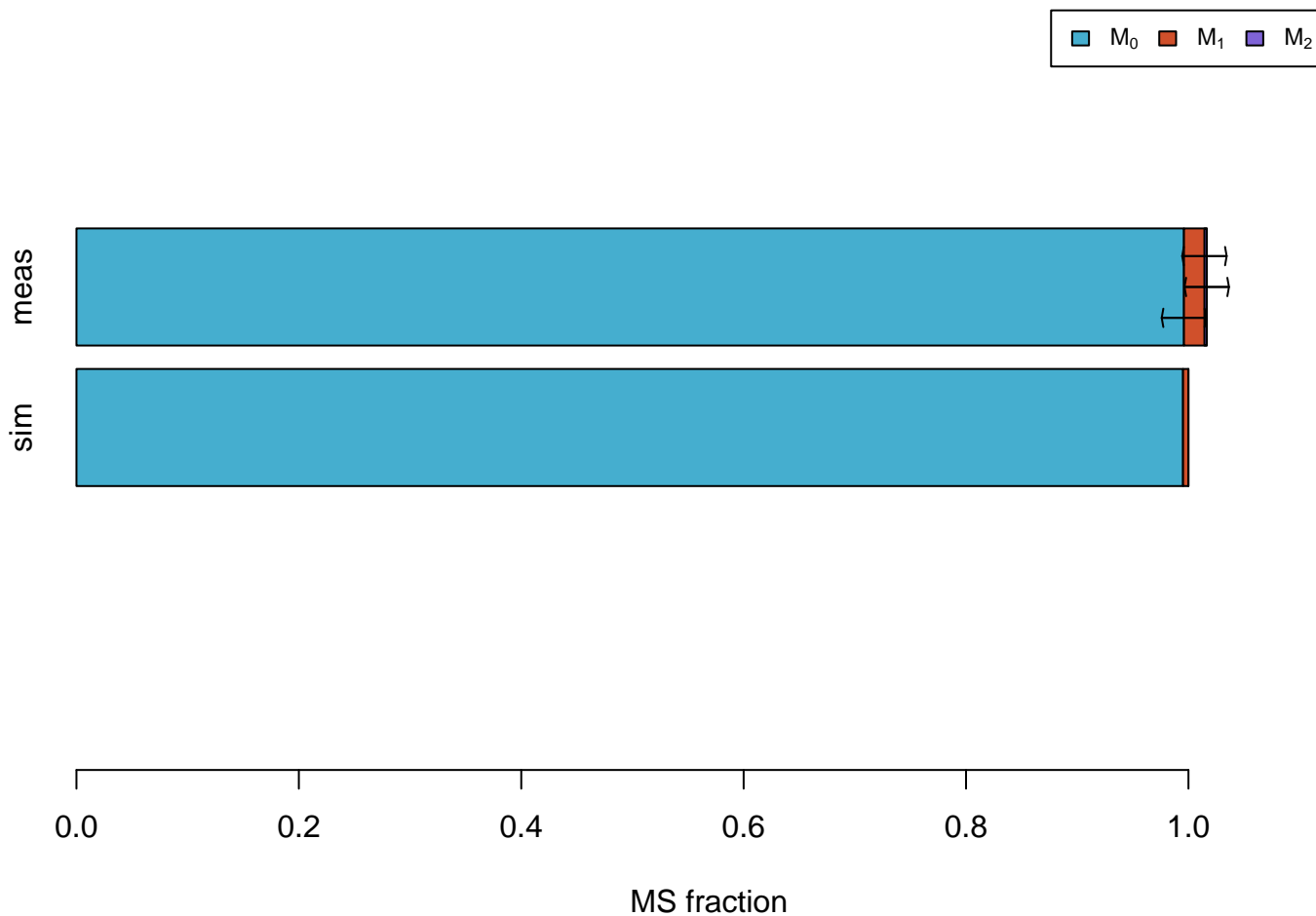
Ser



Ser #011



Tyr #110000000



Val



meas

sim



MS fraction

Val #01111



MS fraction

MS simulations

3PG



MS fraction

Ac



sim



MS fraction

AcCoA

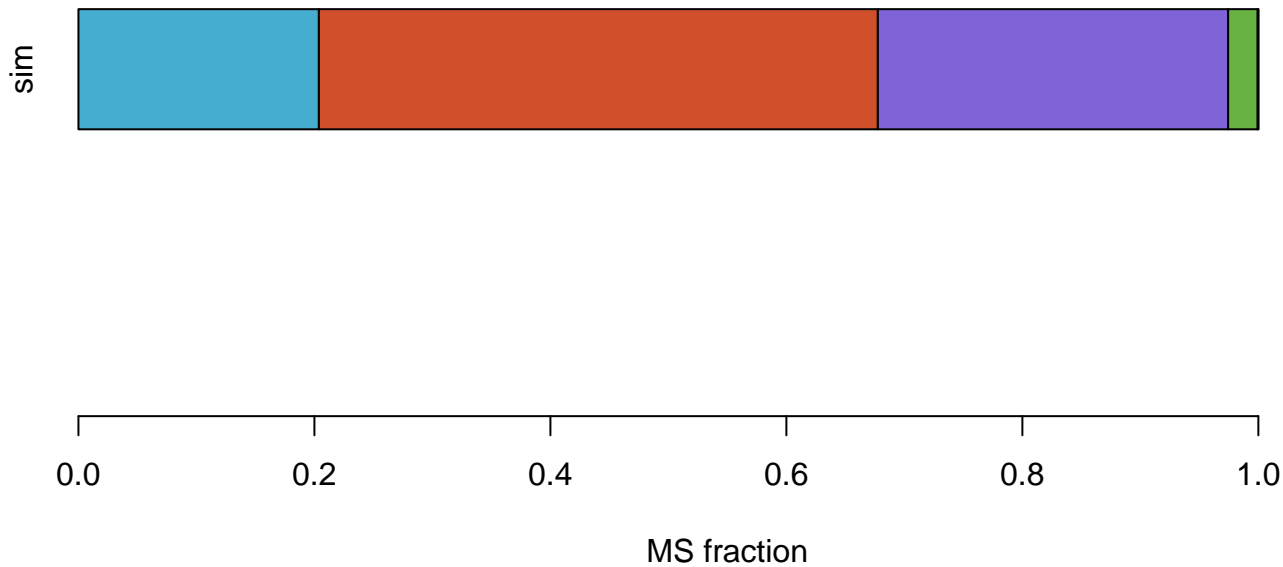


sim



MS fraction

AKG

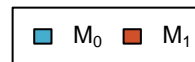


Asn



MS fraction

CO2



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Cys



MS fraction

DHAP



sim



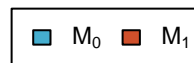
MS fraction

E4P



MS fraction

FTHF



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Fum



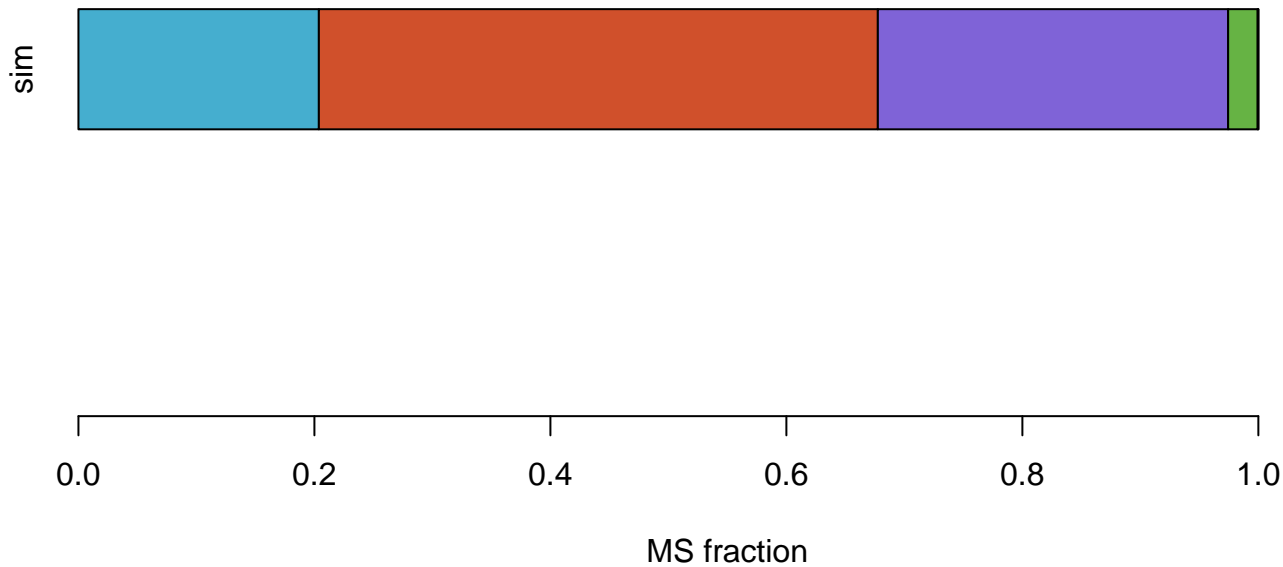
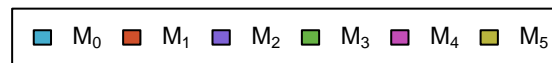
MS fraction

GAP



MS fraction

Gln



Glyox



sim



MS fraction

Mal



MS fraction

MEETHF



sim



0.0

0.2

0.4

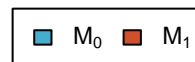
0.6

0.8

1.0

MS fraction

METHF

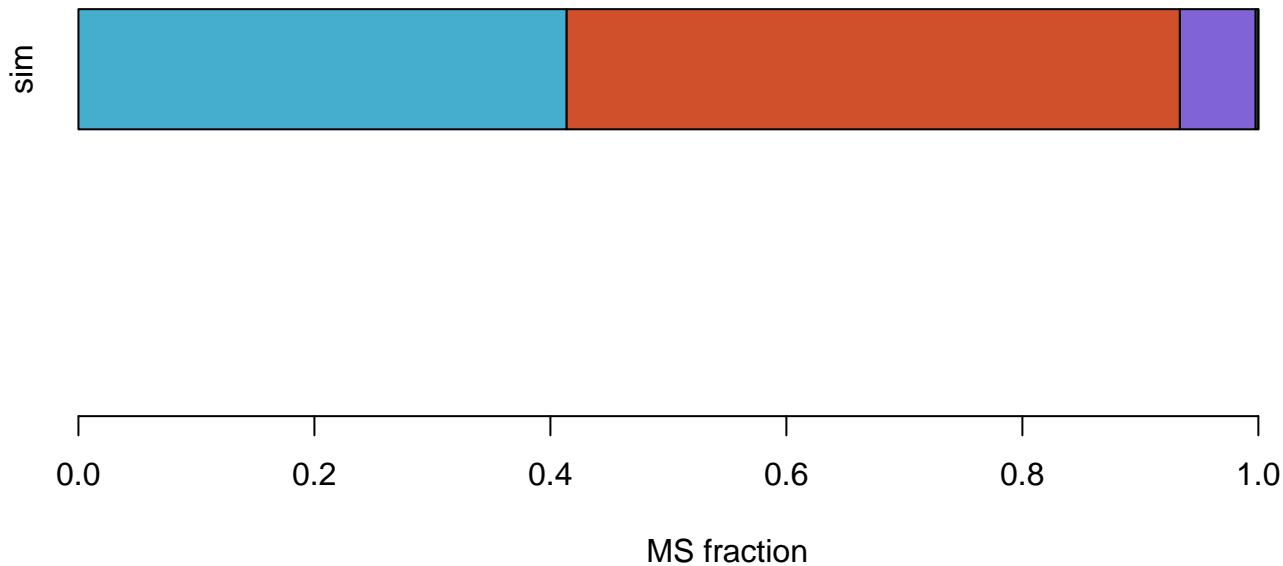


sim



MS fraction

OAC

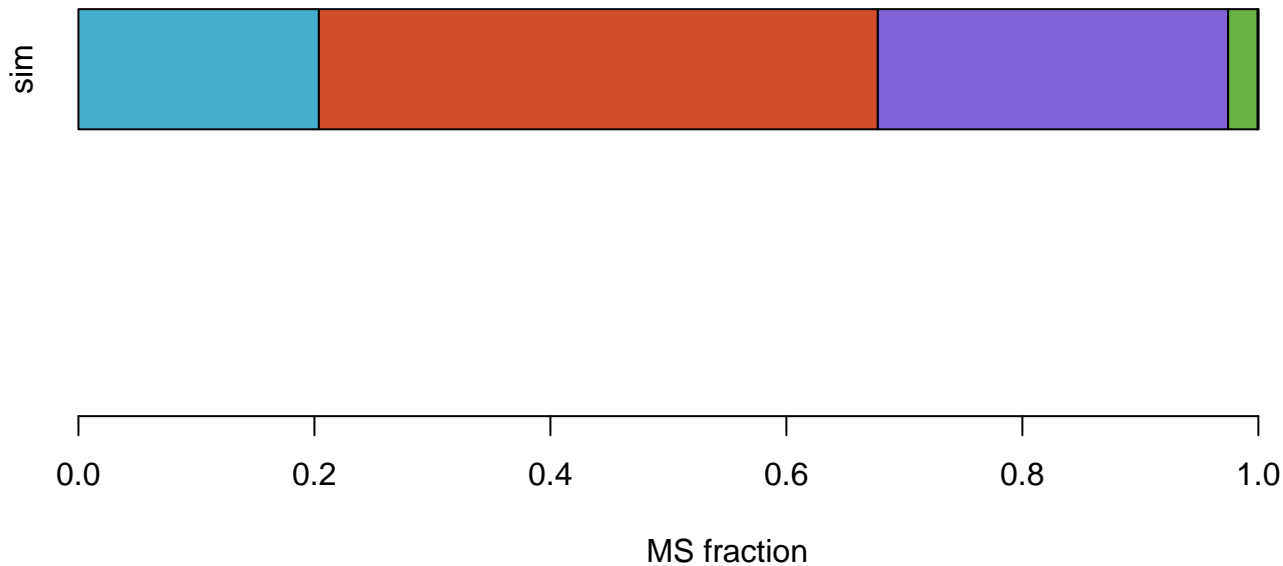


PEP



MS fraction

Pro



Pyr

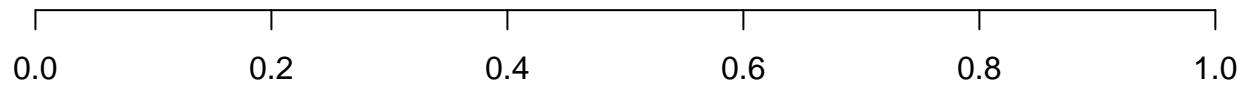


MS fraction

Suc



sim



MS fraction

SucCoA



MS fraction

TA-C3



sim

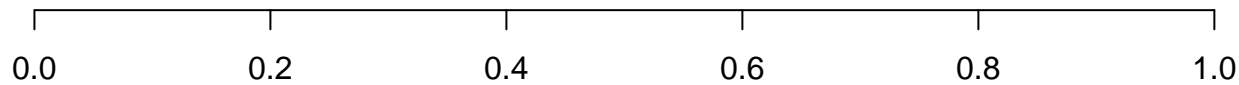


MS fraction

Thr



sim

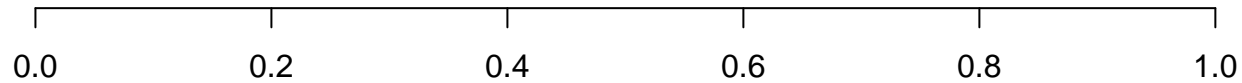


MS fraction

TK-C2



sim



MS fraction