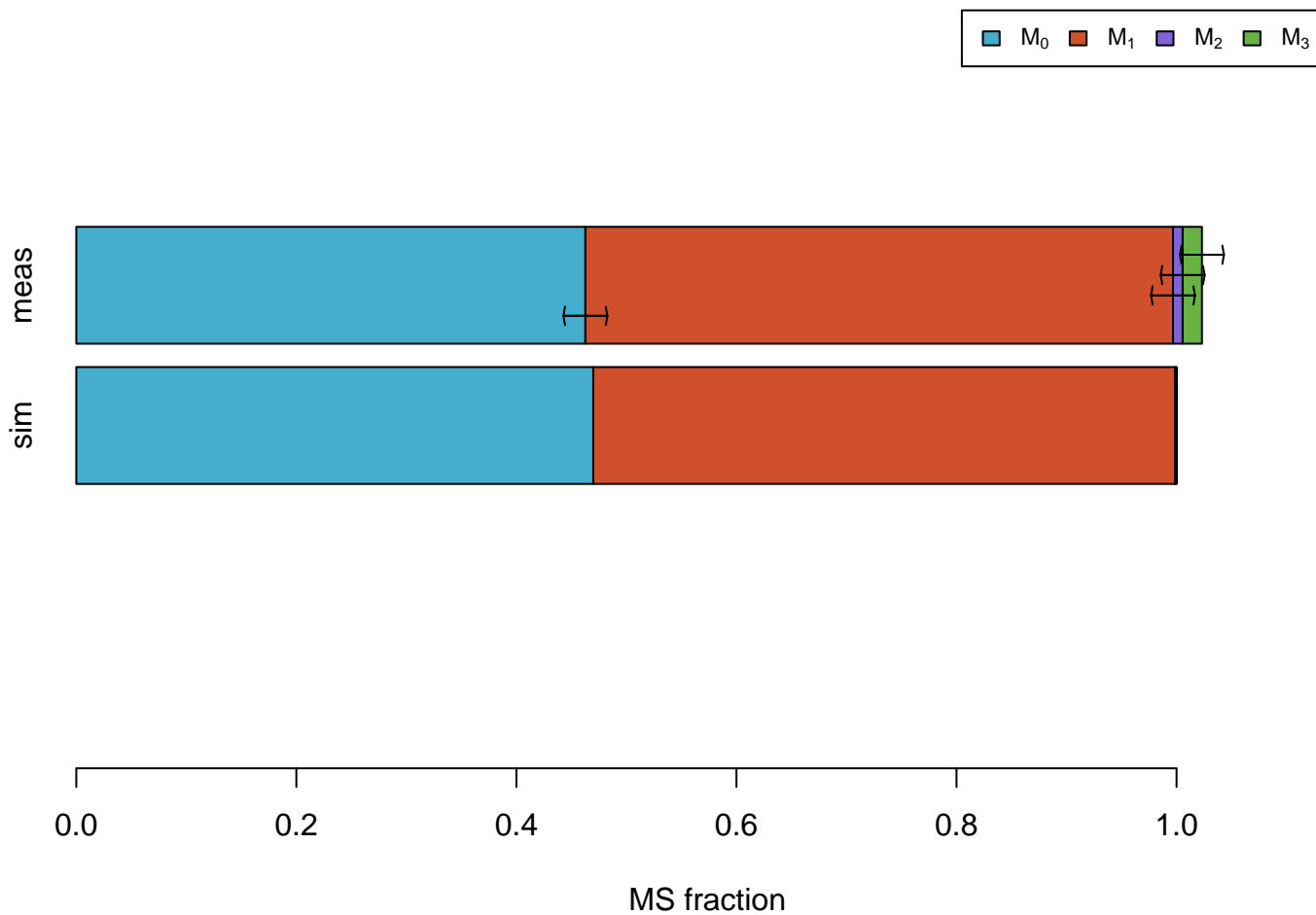
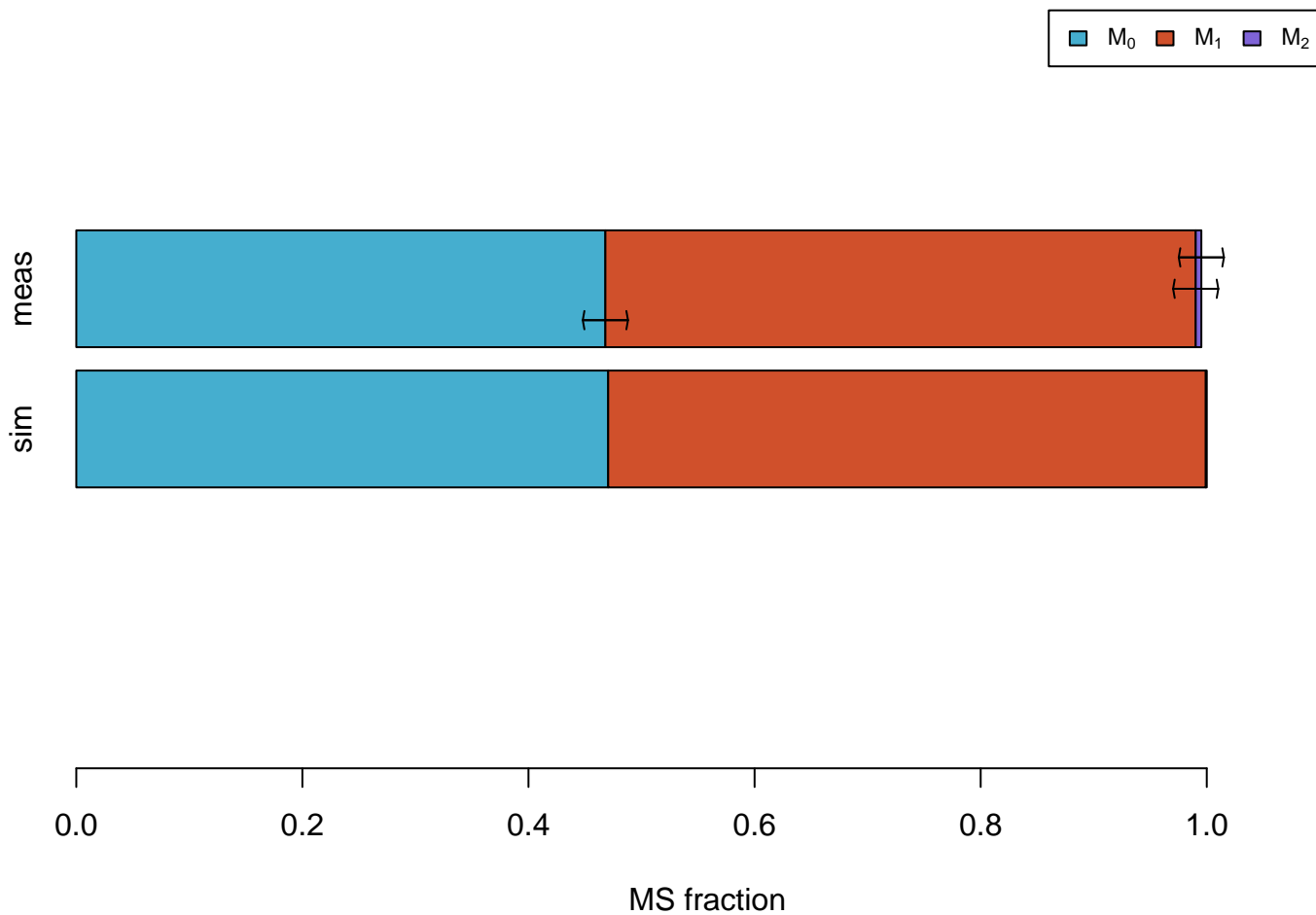


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

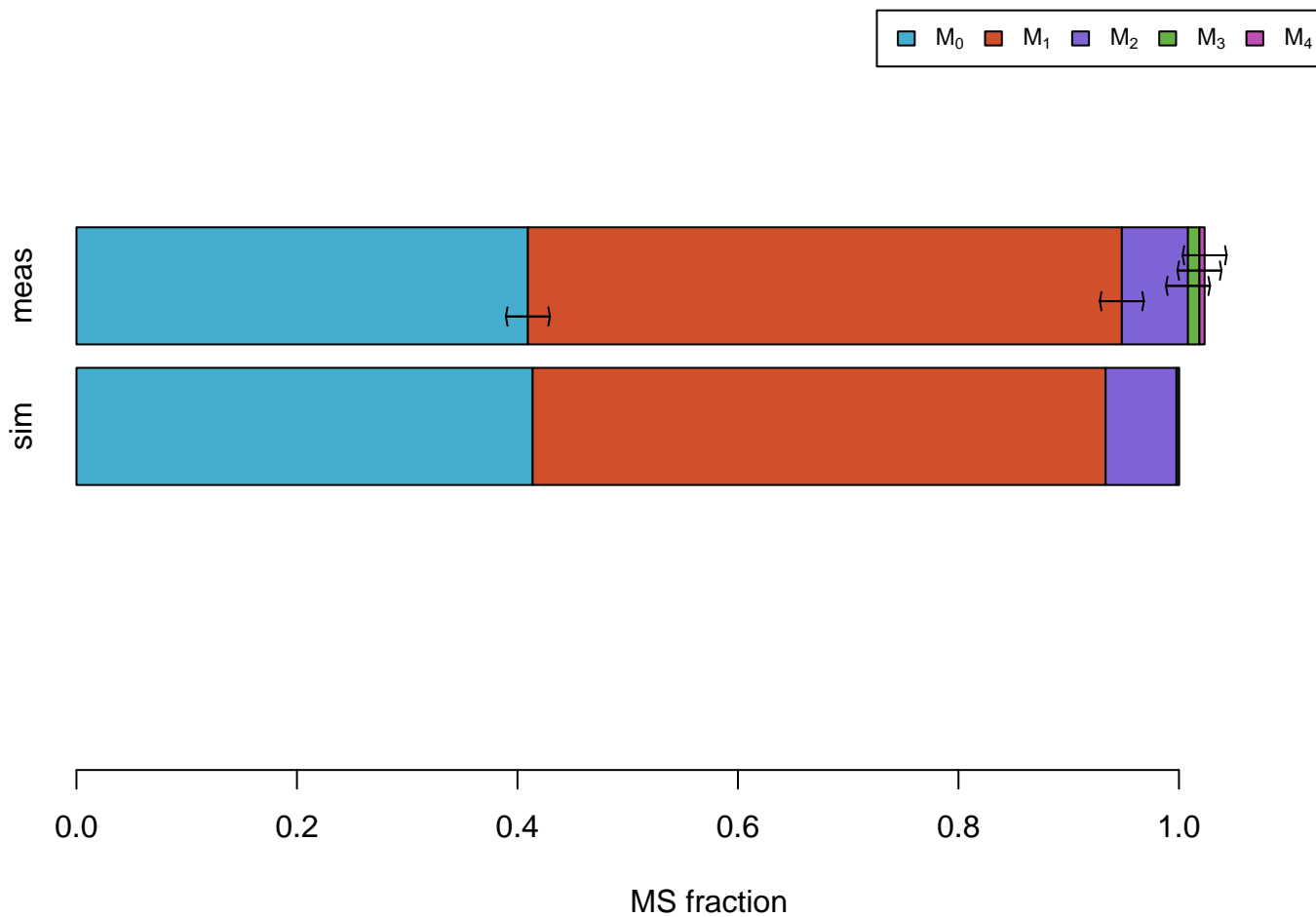
Ala



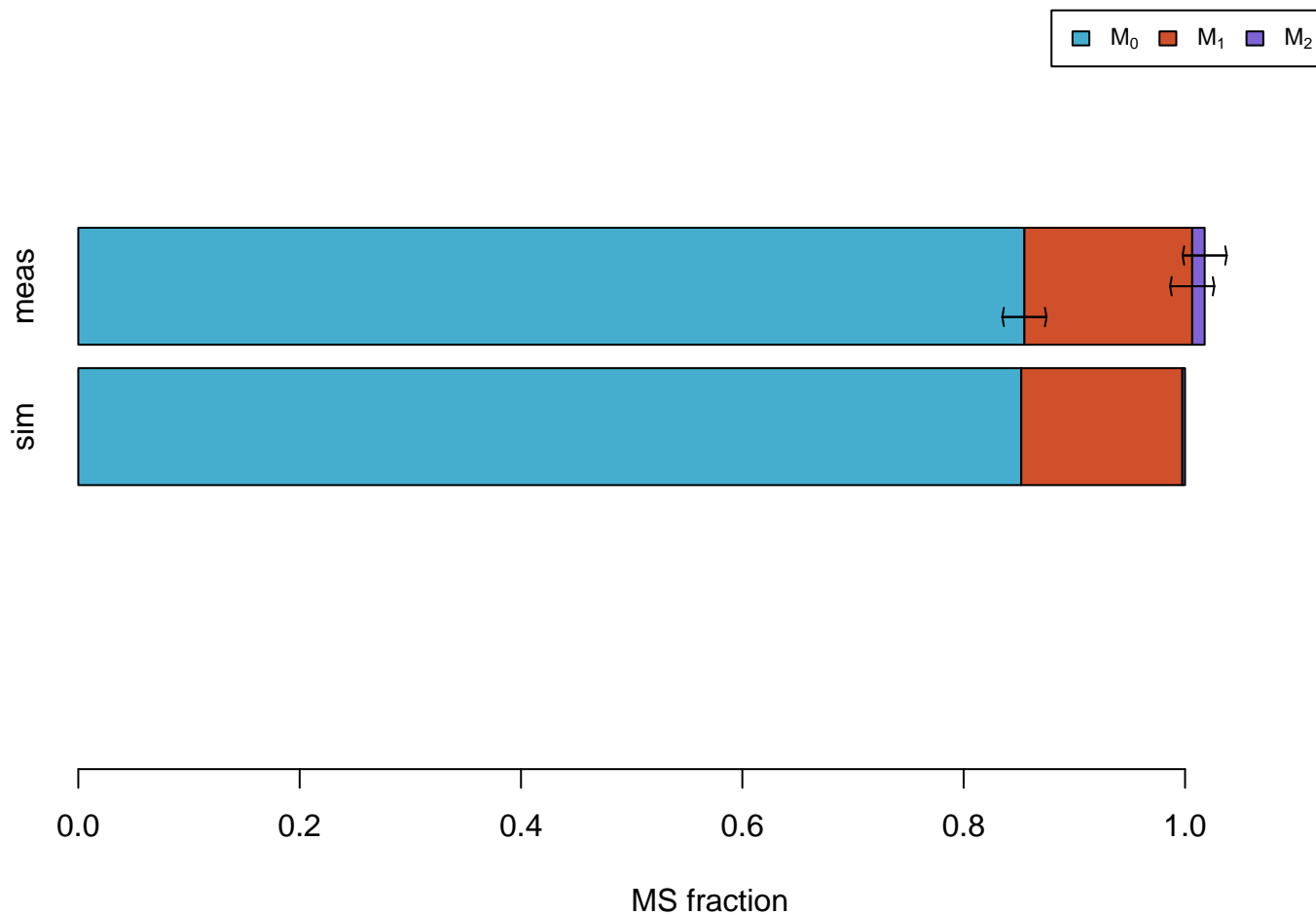
Ala #011



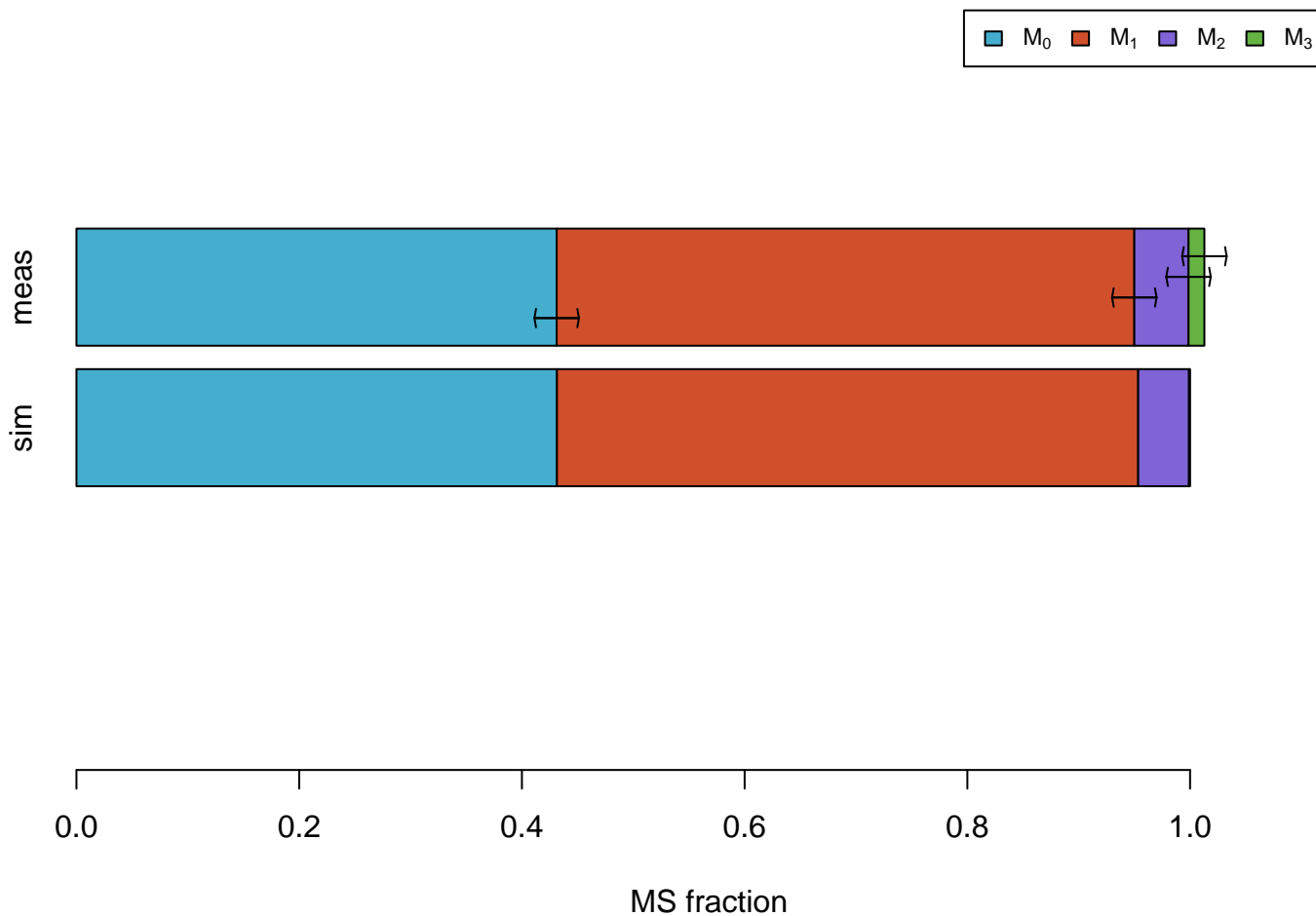
Asp



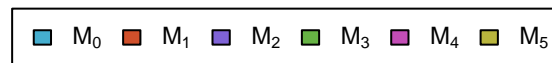
Asp #1100



Asp #0111

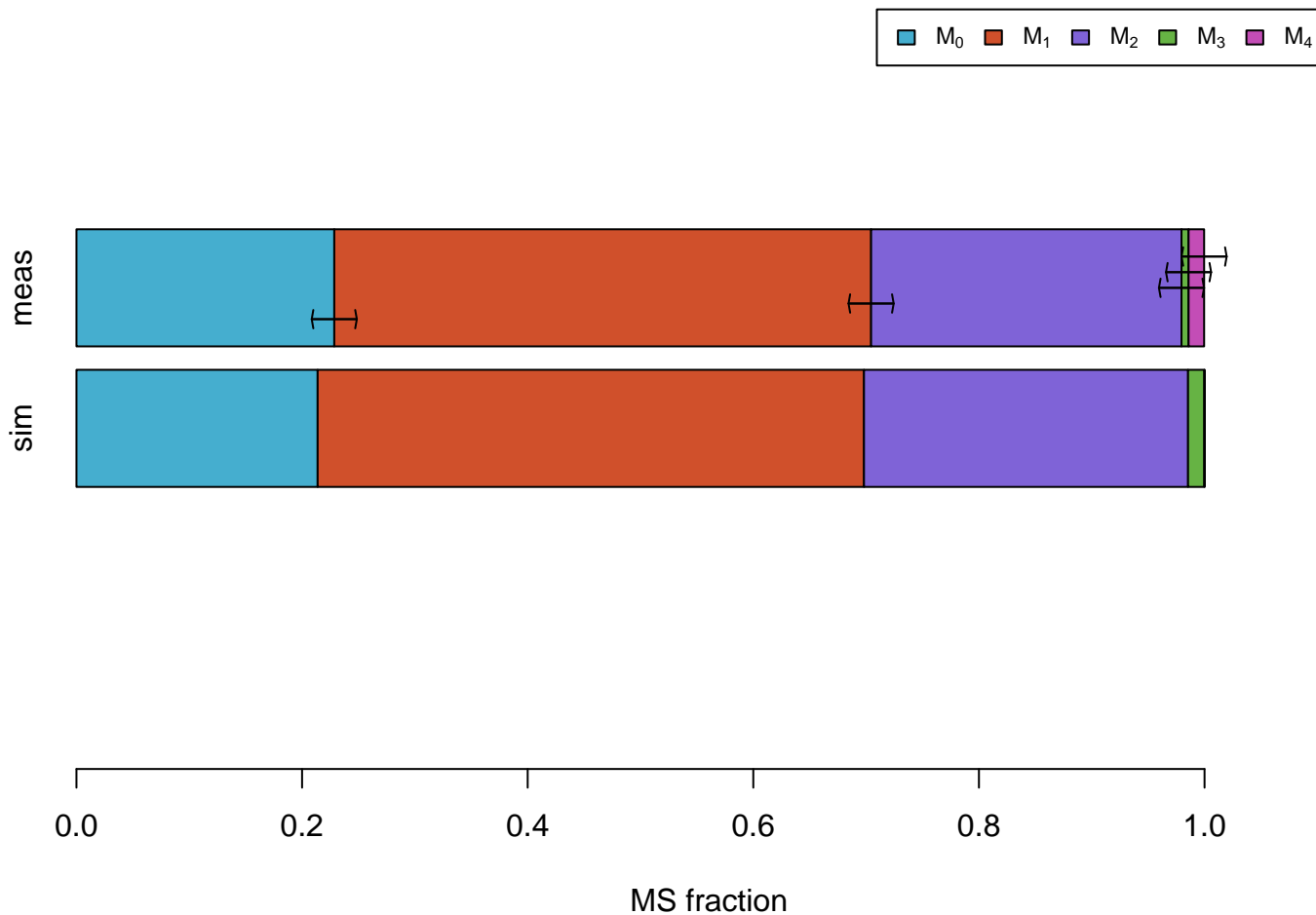


Glu

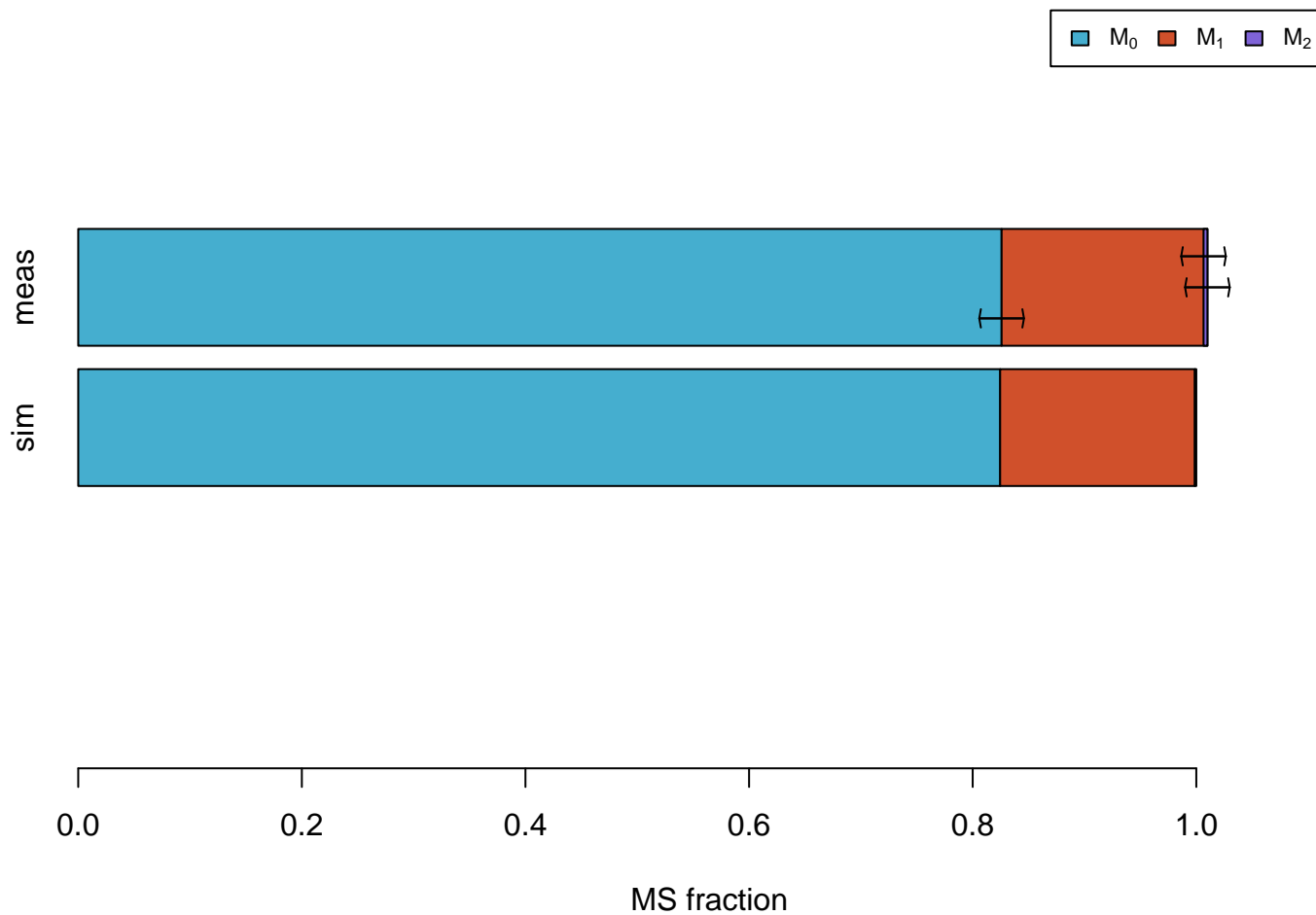


MS fraction

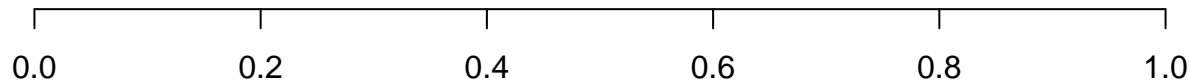
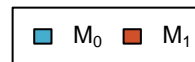
Glu #01111



Gly

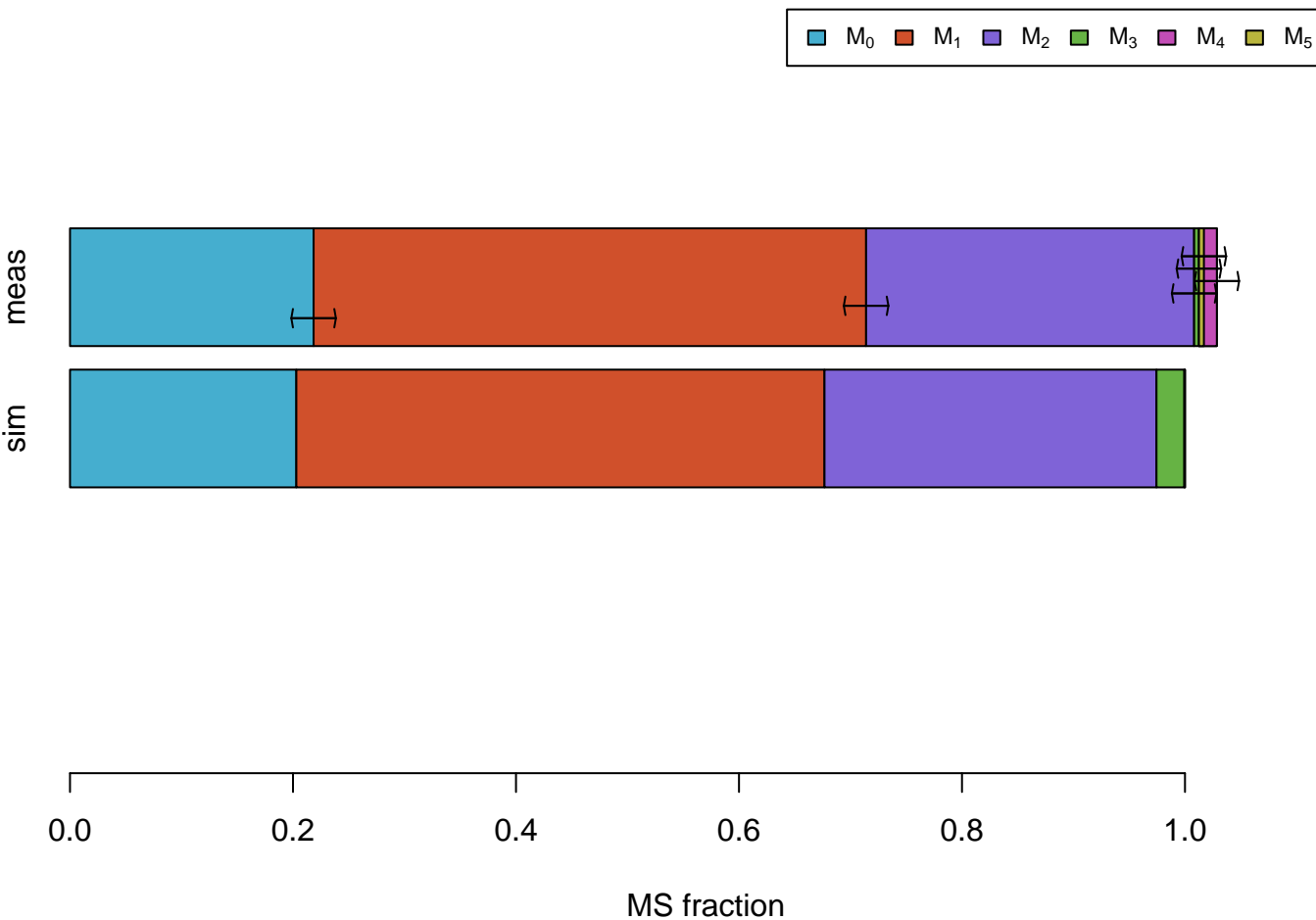


Gly #01

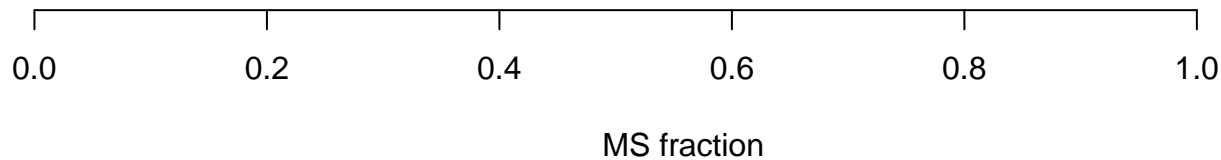
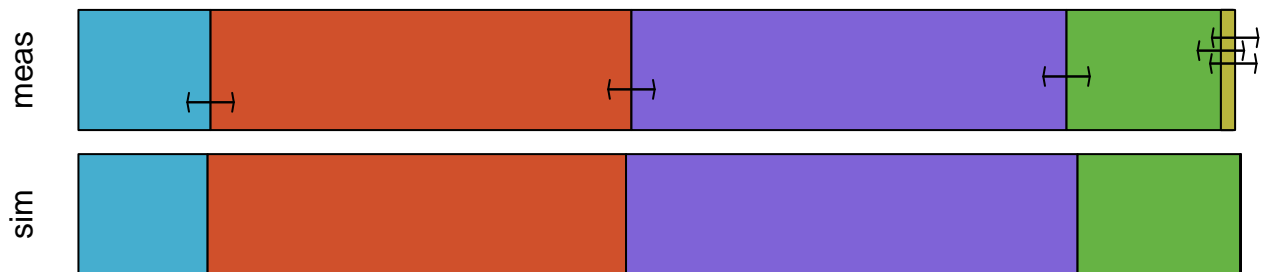
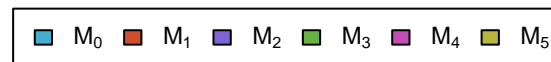


MS fraction

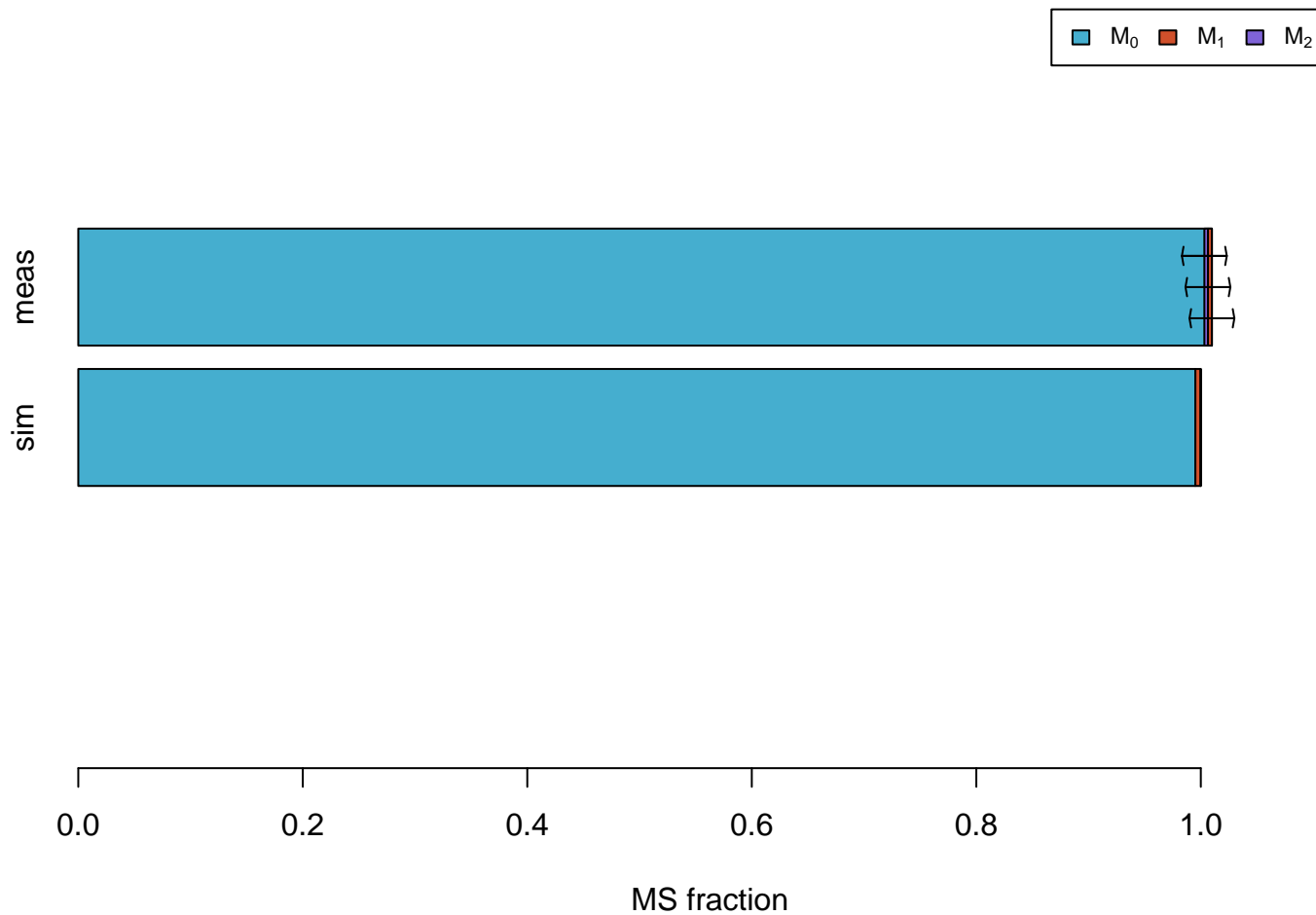
Ile #011111



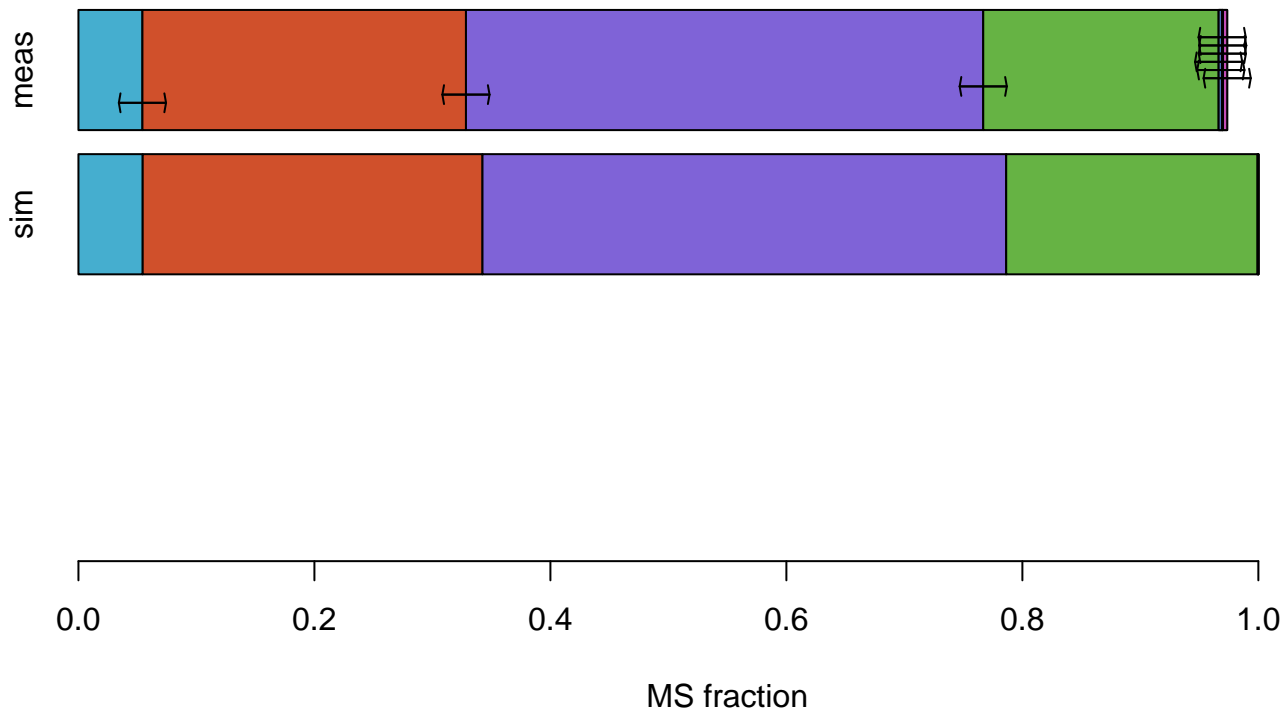
Leu #011111



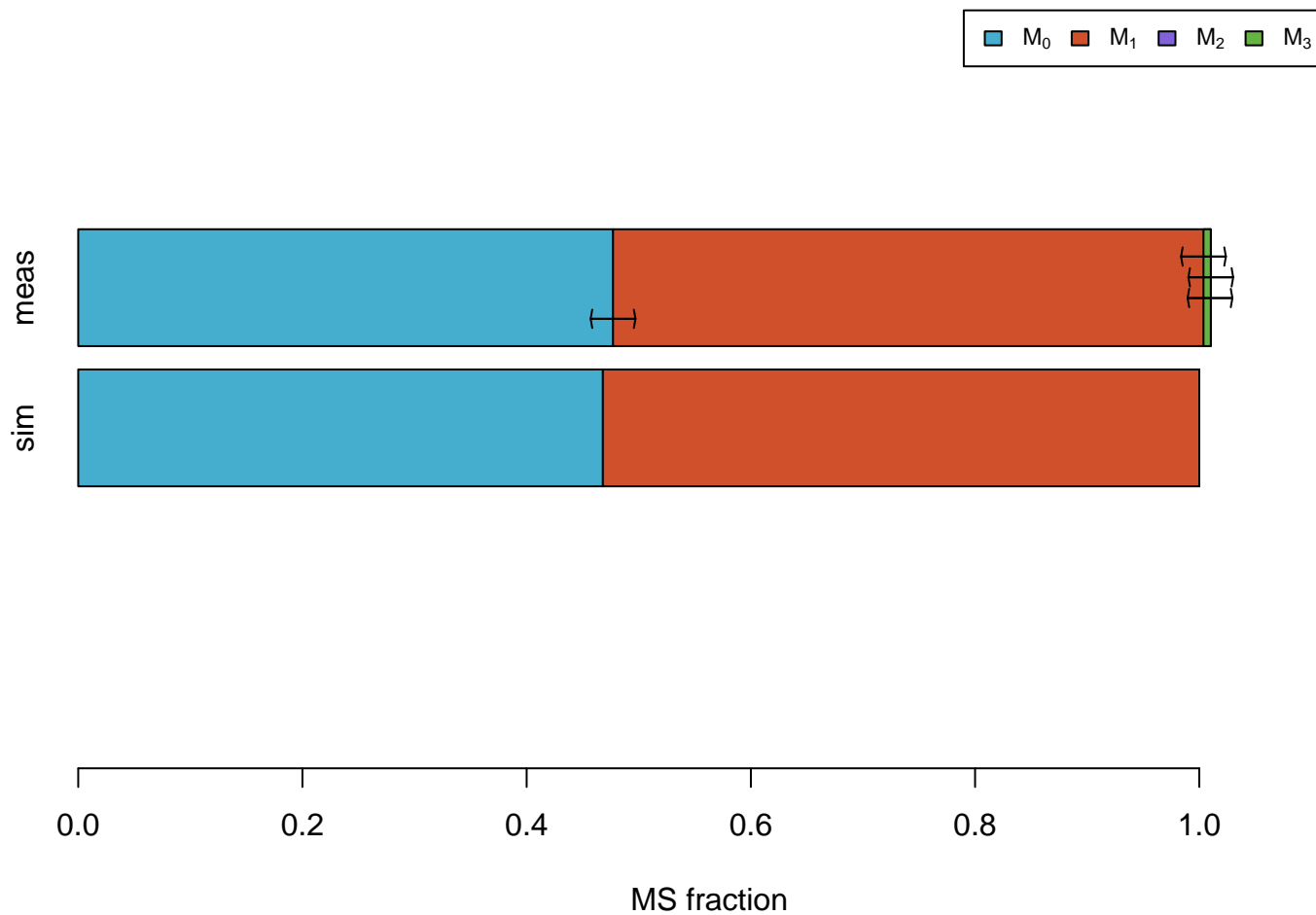
Phe #110000000



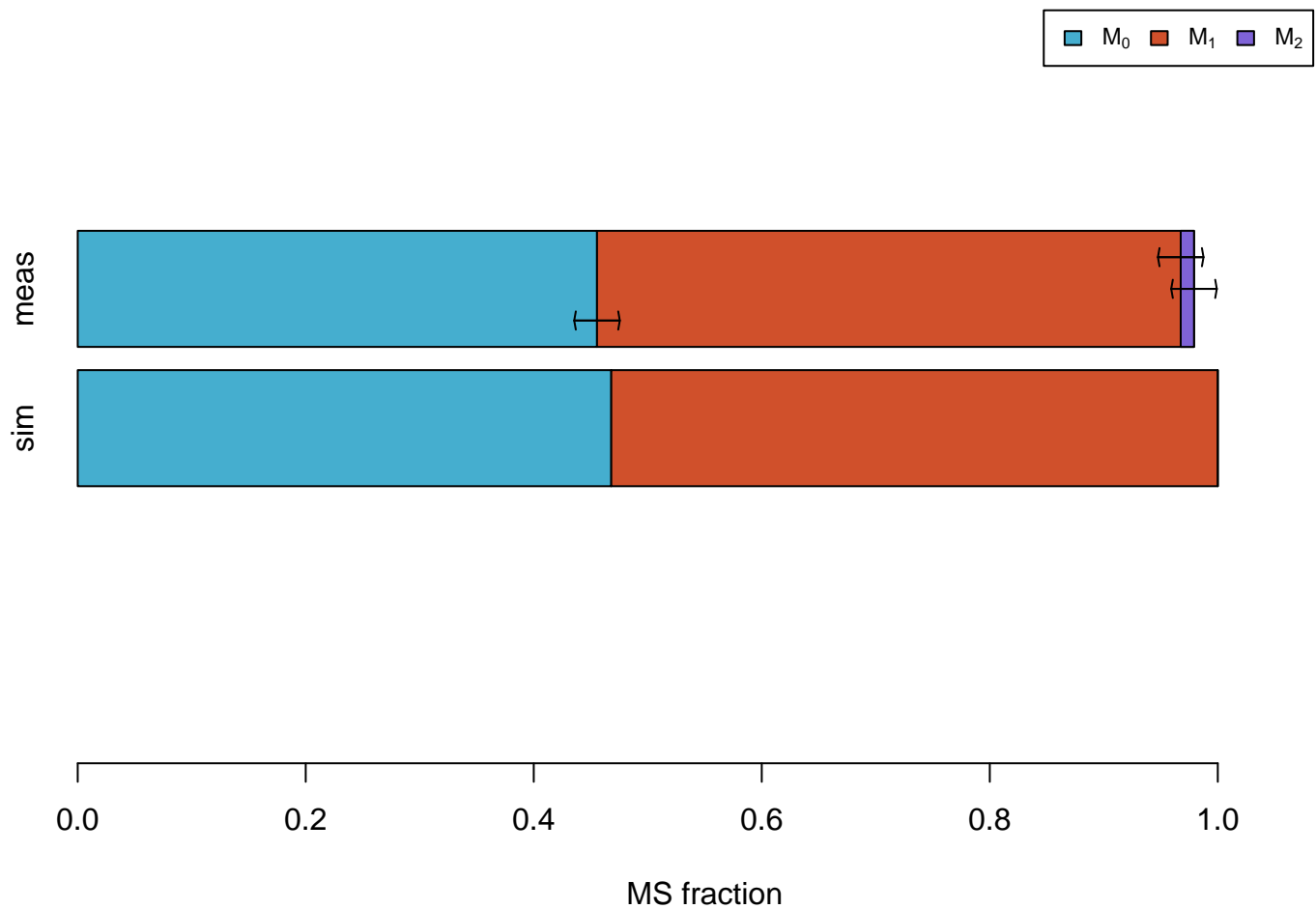
Phe #011111111



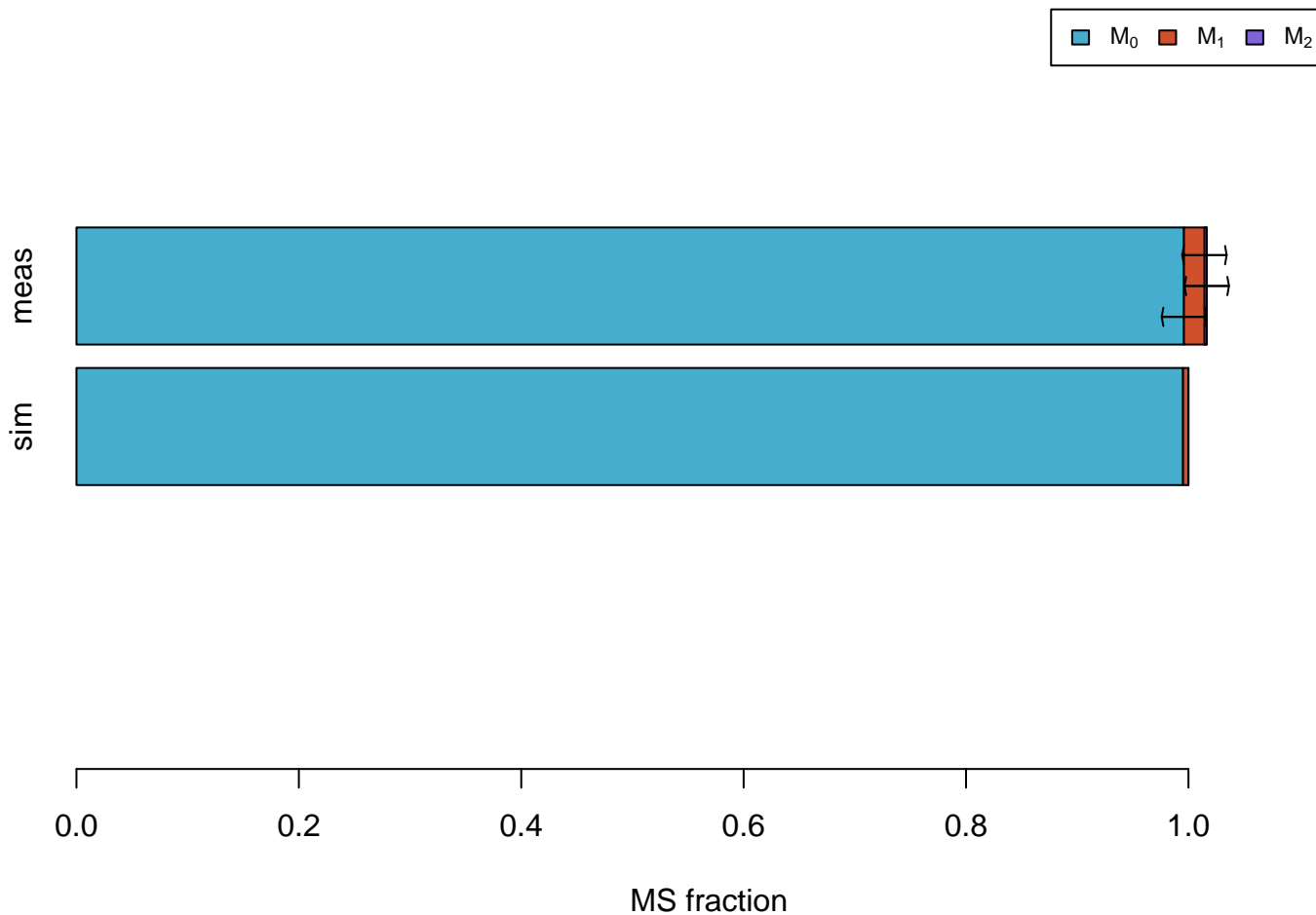
Ser



Ser #011



Tyr #110000000



Val



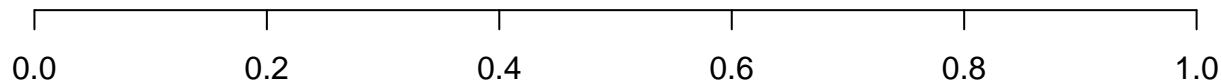
meas

sim



MS fraction

Val #01111



MS fraction

MS simulations

3PG



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Ac



sim



0.0

0.2

0.4

0.6

0.8

1.0

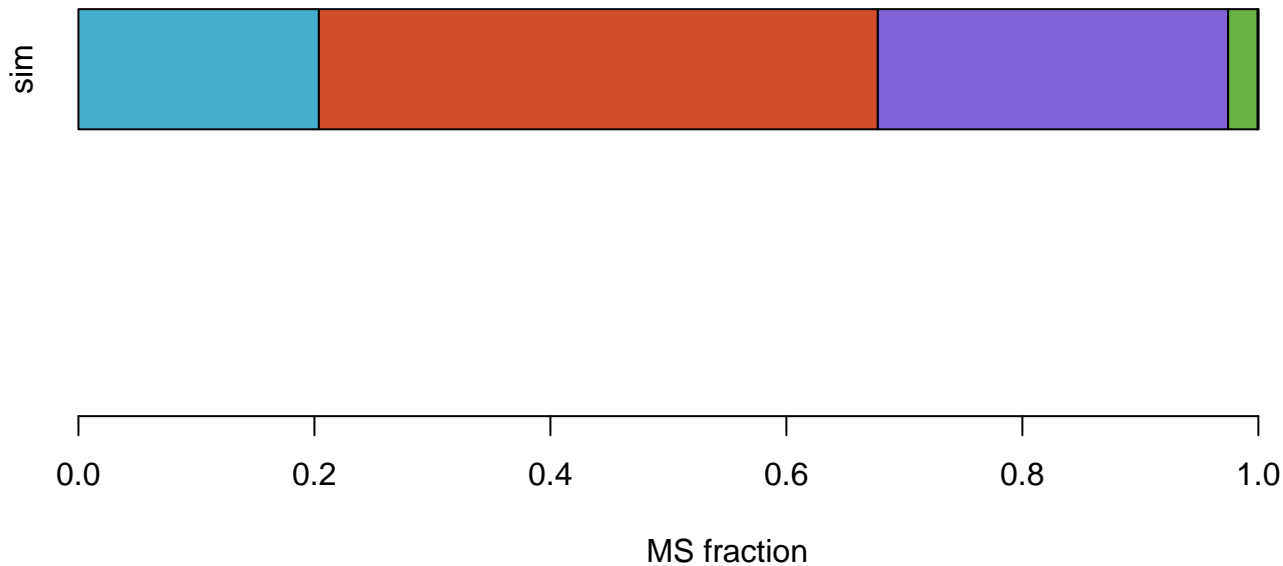
MS fraction

AcCoA

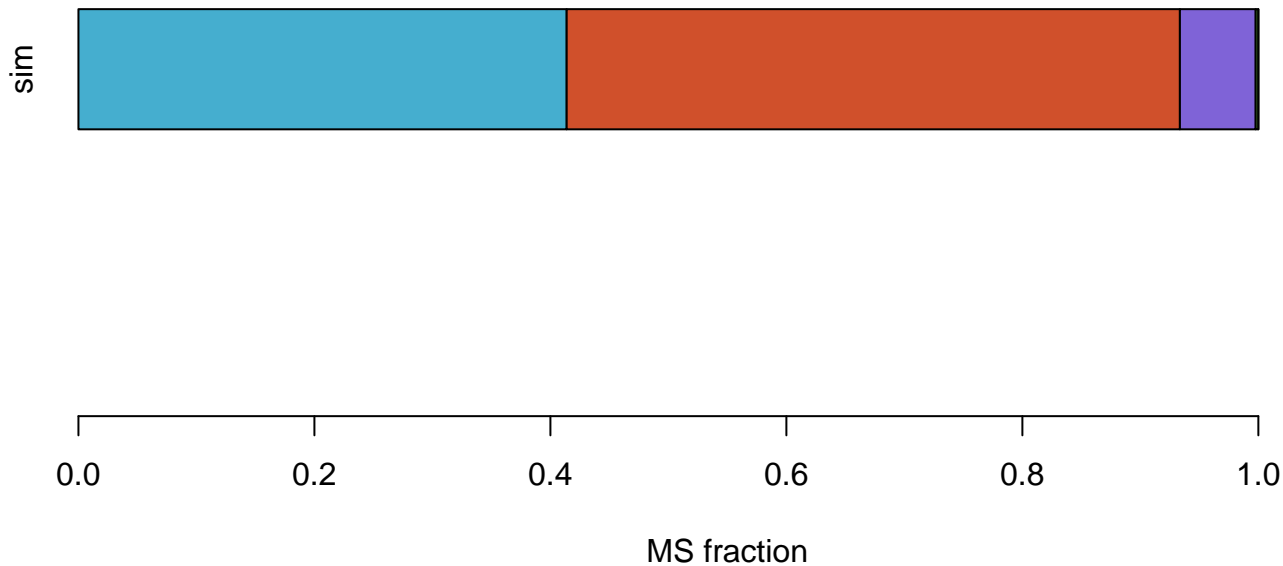


MS fraction

AKG



Asn



CO2



sim



MS fraction

Cys



MS fraction

DHAP



sim



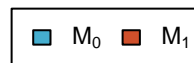
MS fraction

E4P



MS fraction

FTHF

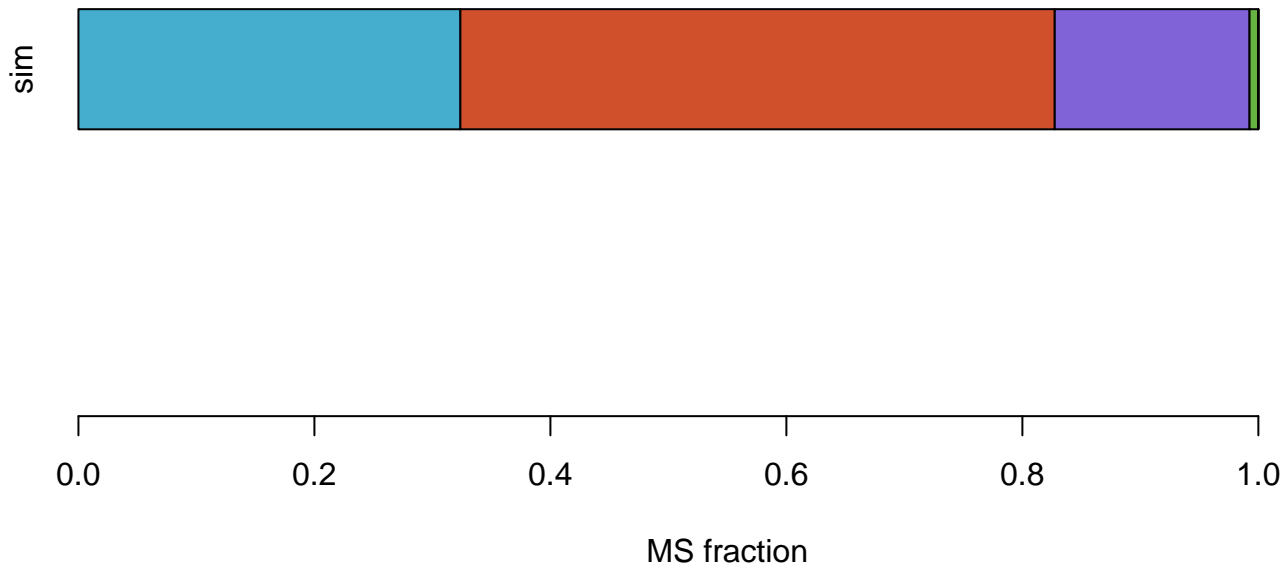


sim



MS fraction

Fum

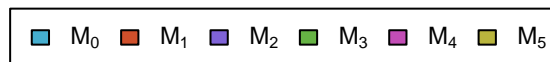


GAP



MS fraction

Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Glyox



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Mal



MS fraction

MEETHF



sim



0.0

0.2

0.4

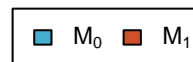
0.6

0.8

1.0

MS fraction

METHF



sim



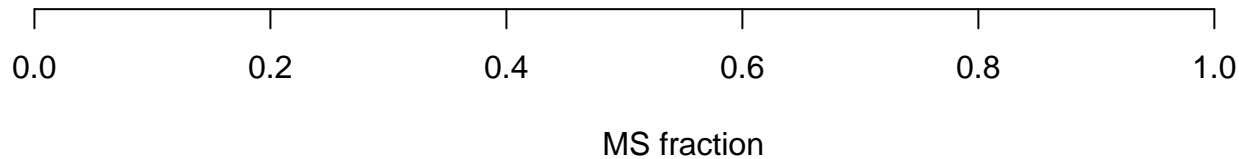
MS fraction

OAC



MS fraction

PEP



Pro



sim



MS fraction

Pyr



MS fraction

Suc



MS fraction

SucCoA



sim



MS fraction

TA-C3



sim



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction