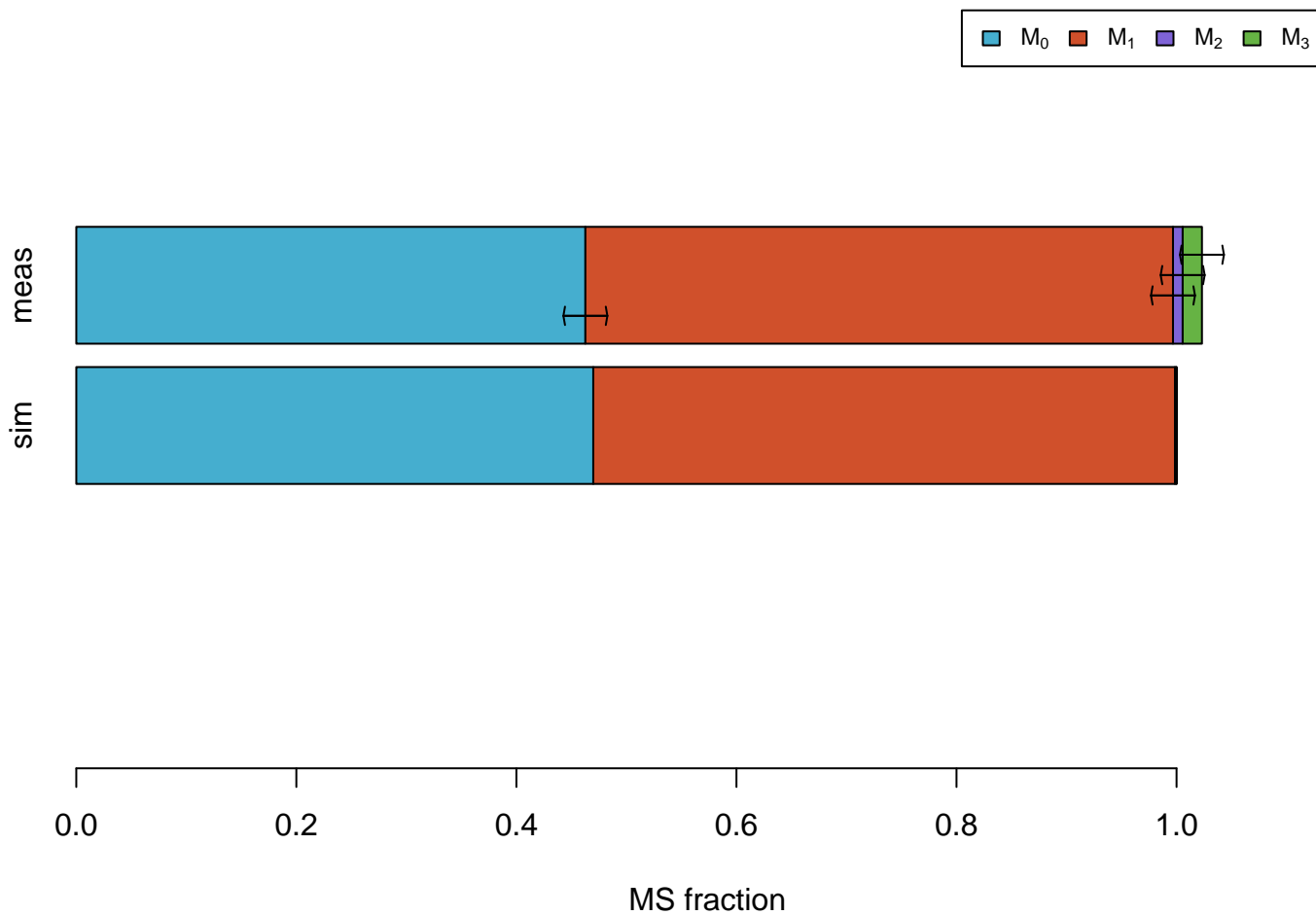
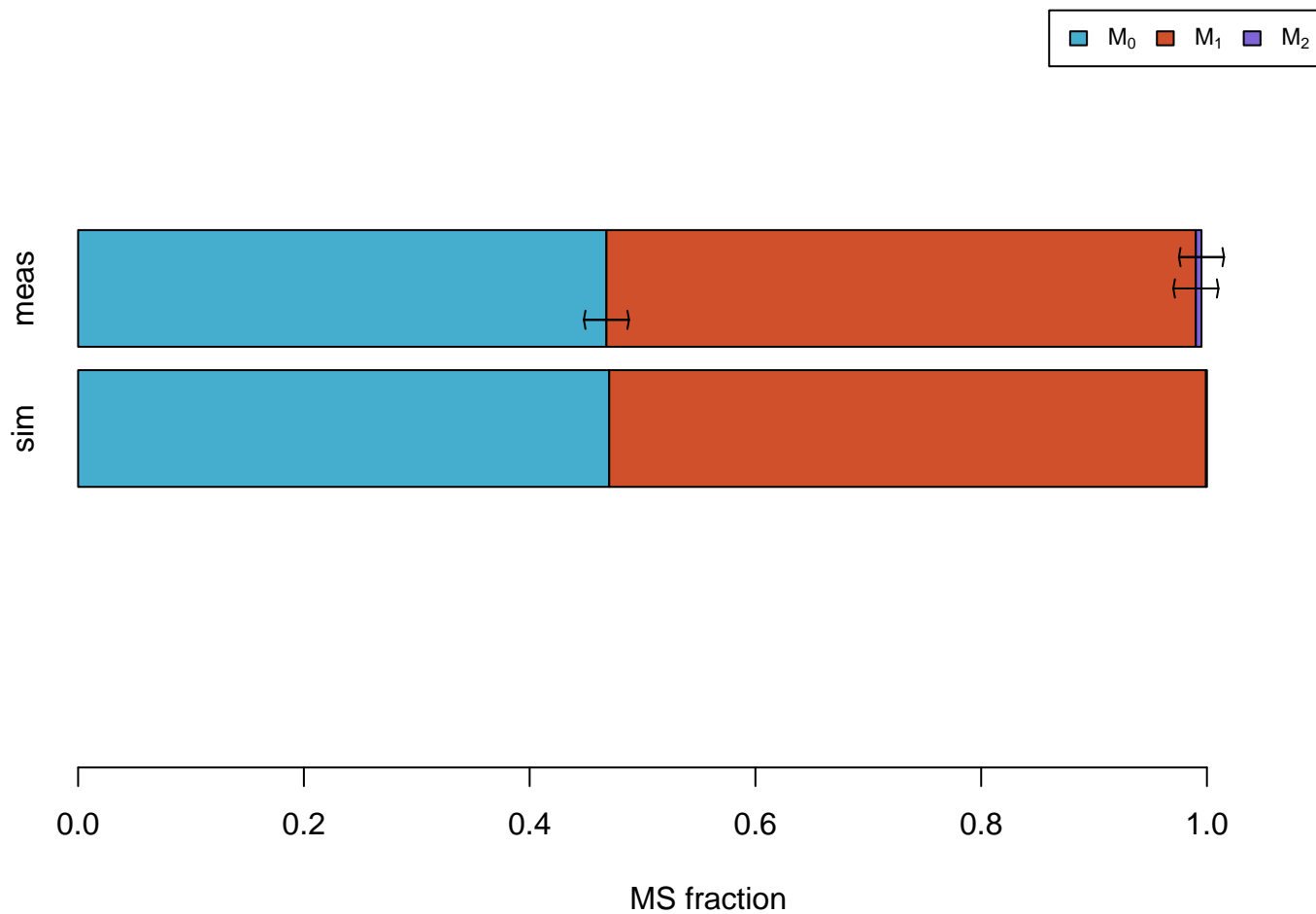


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

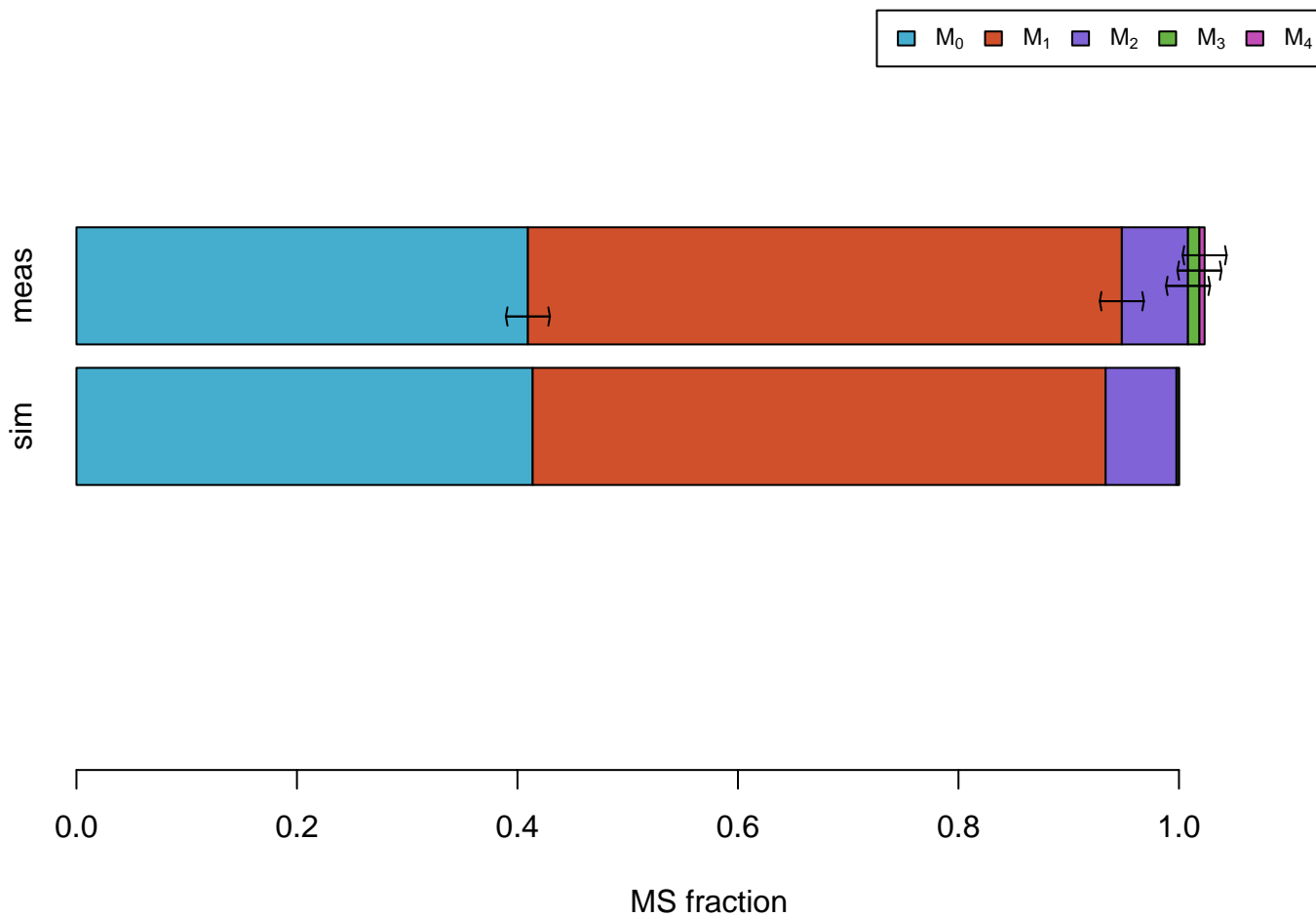
Ala



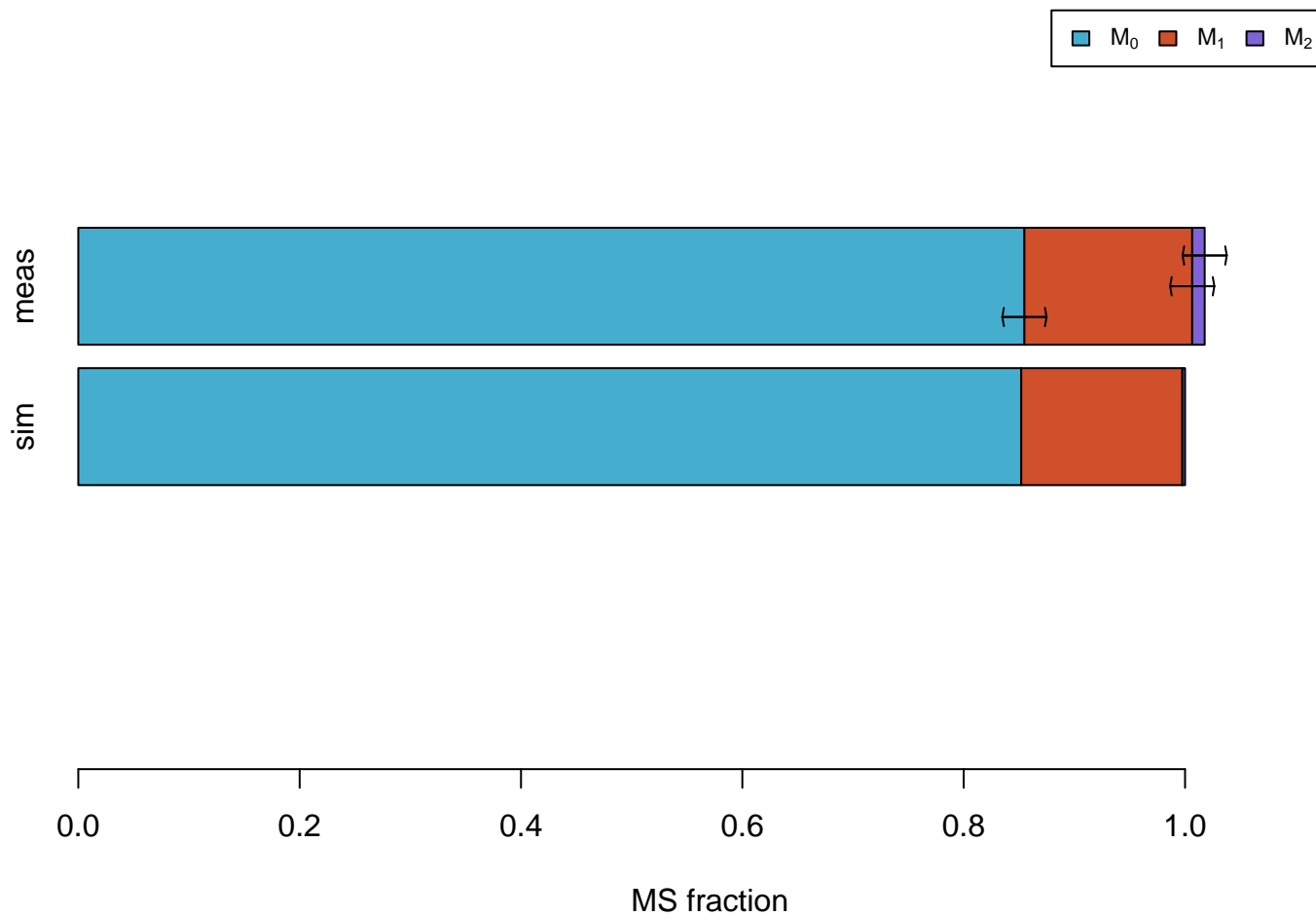
Ala #011



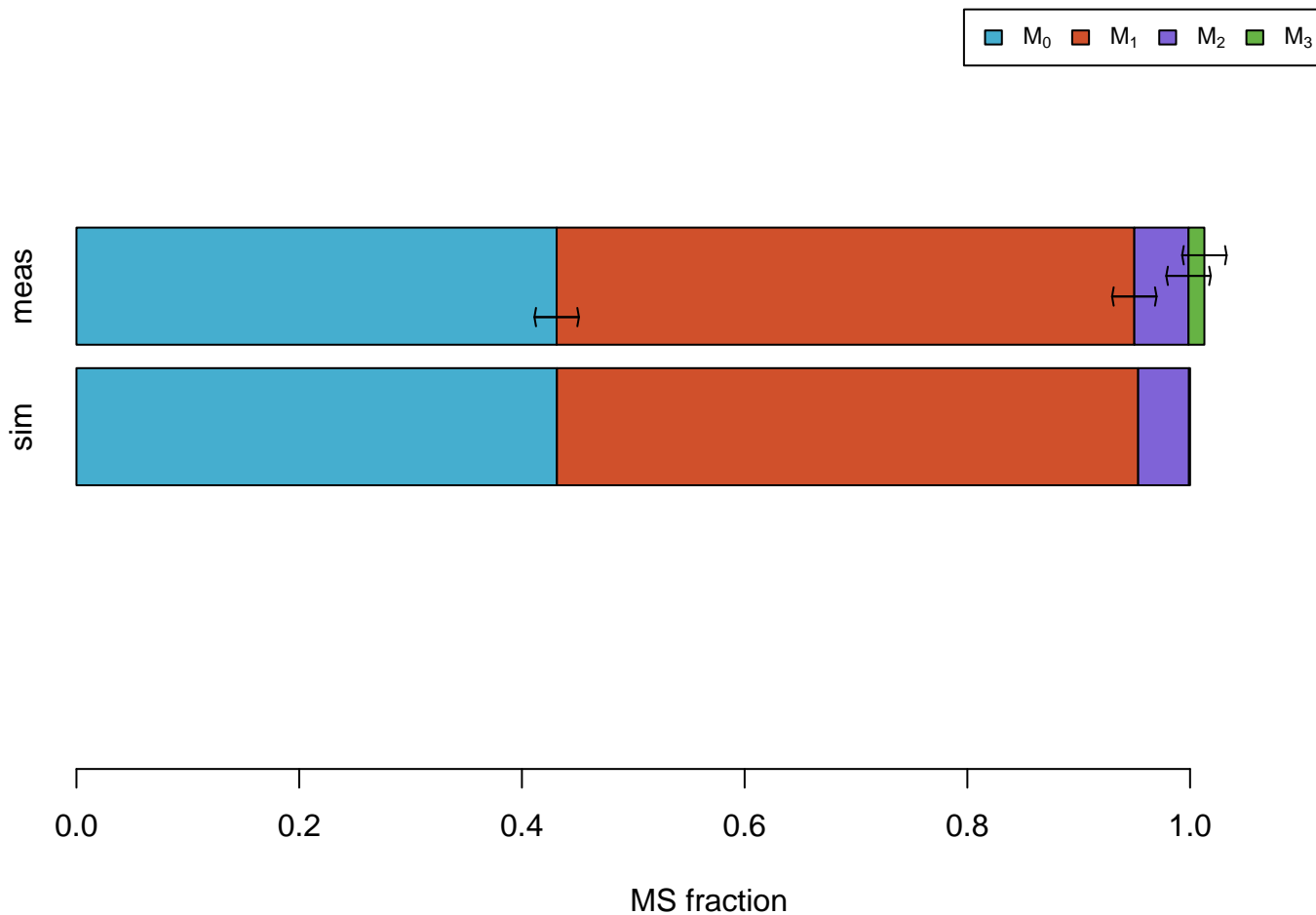
Asp



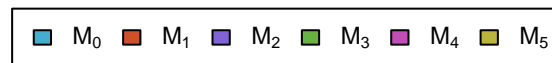
Asp #1100



Asp #0111

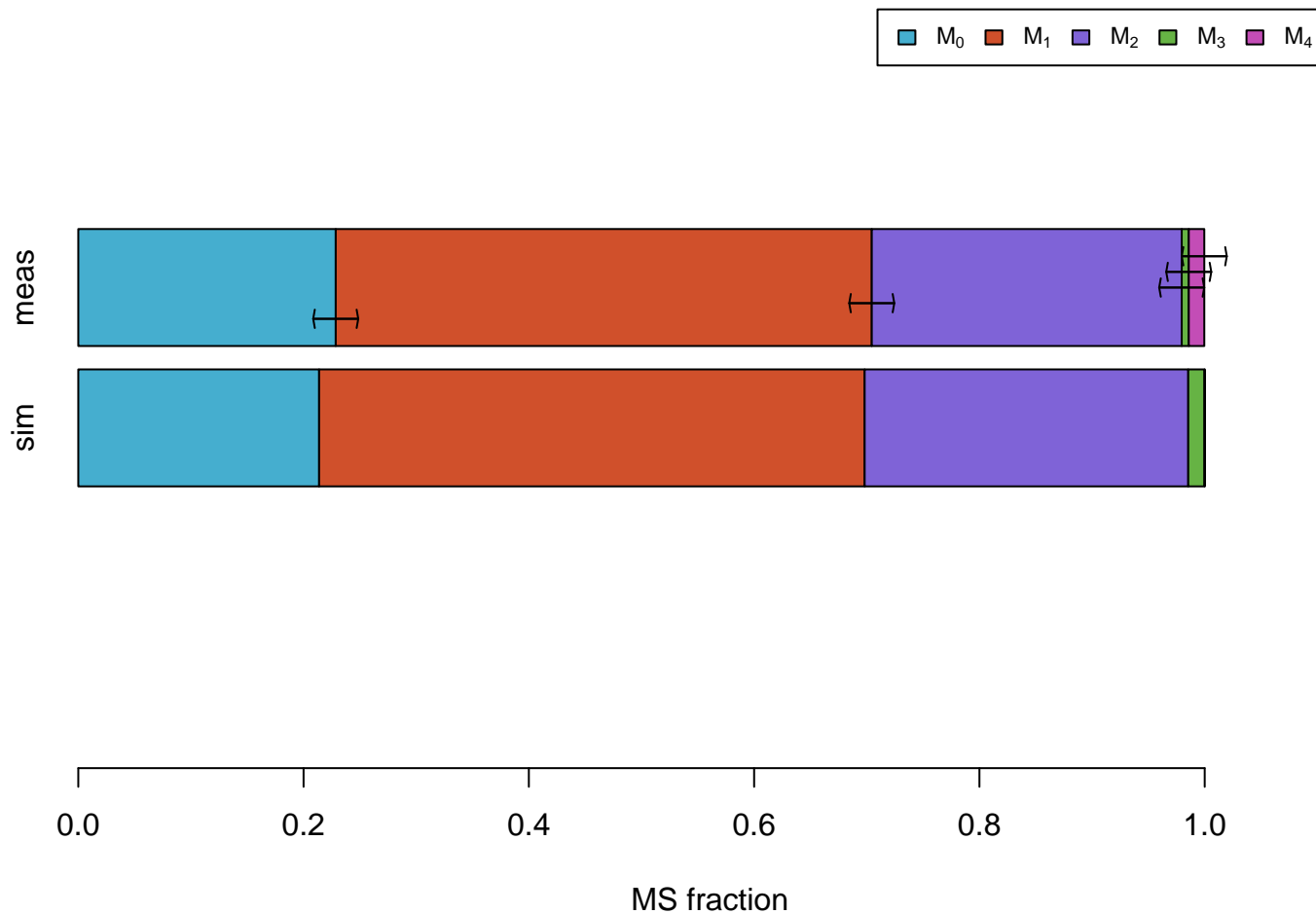


Glu

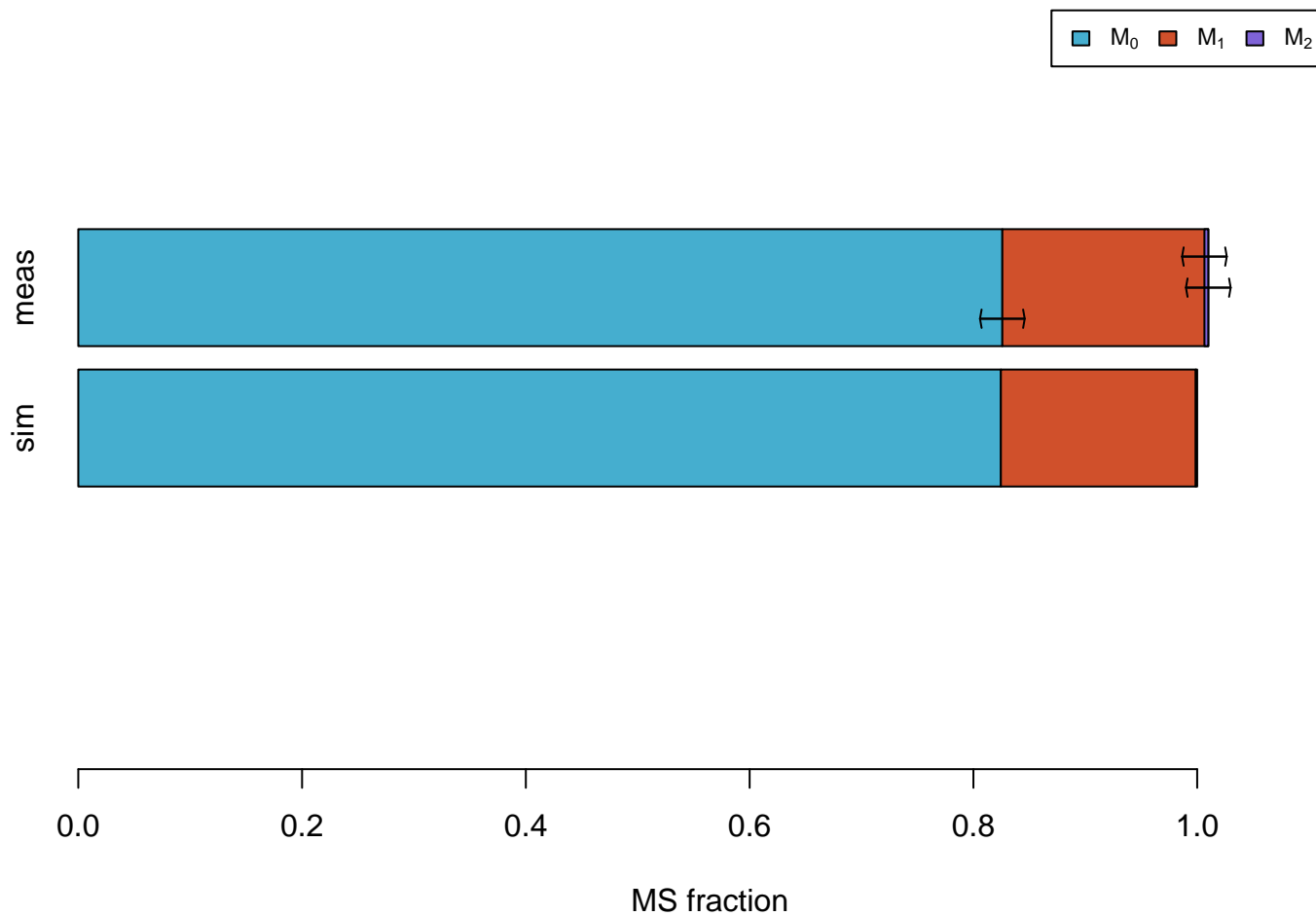


MS fraction

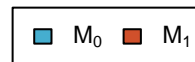
Glu #01111



Gly

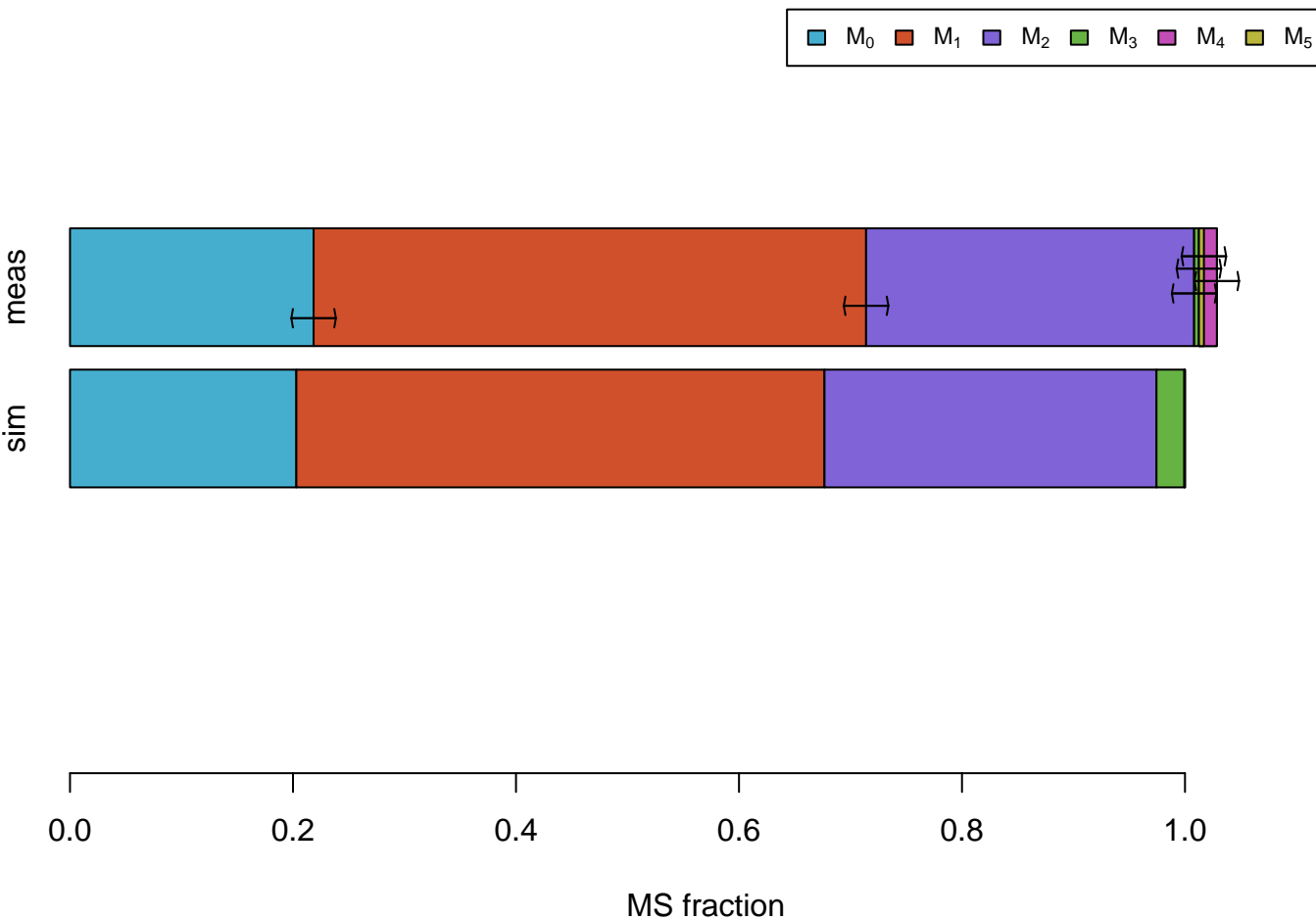


Gly #01

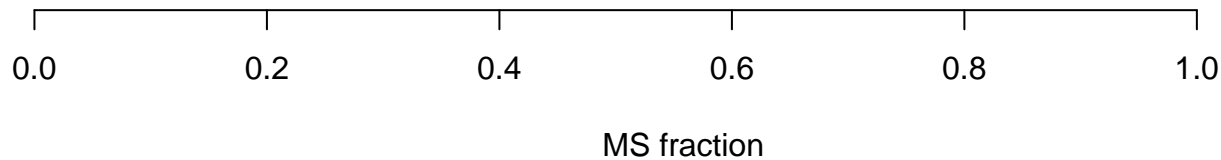
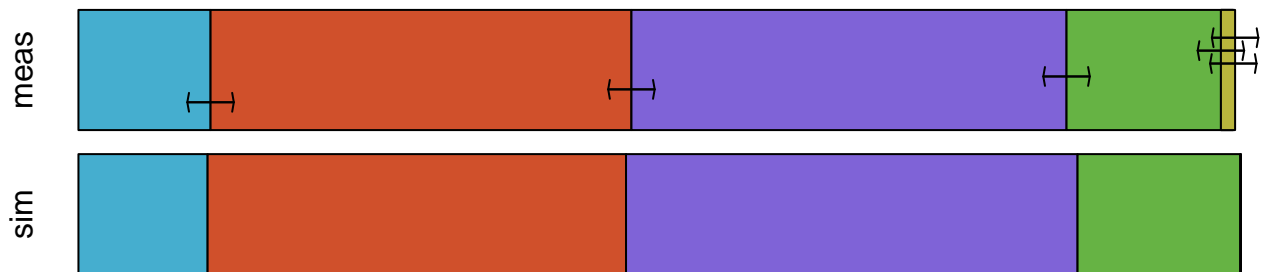
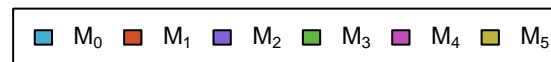


MS fraction

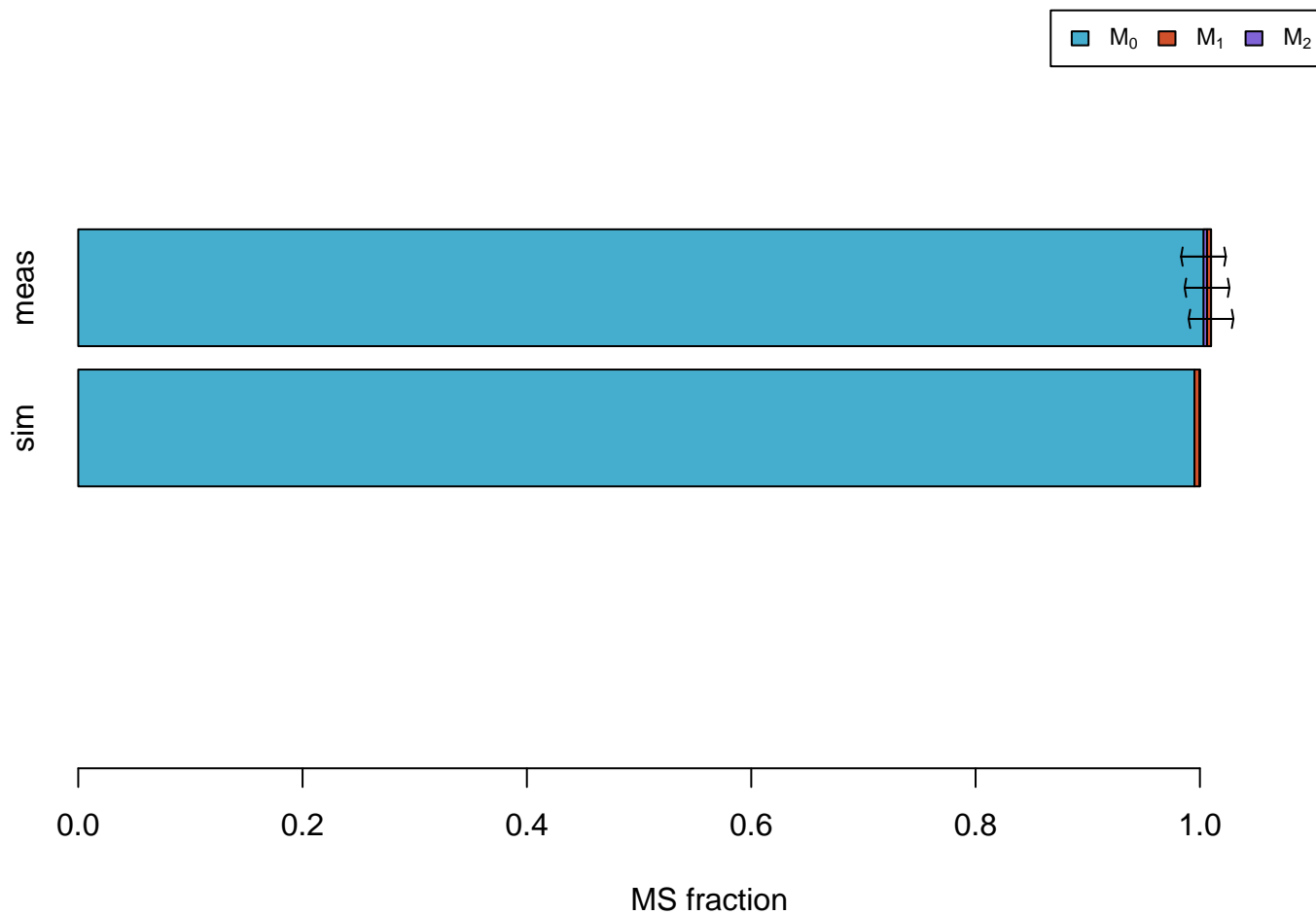
Ile #011111



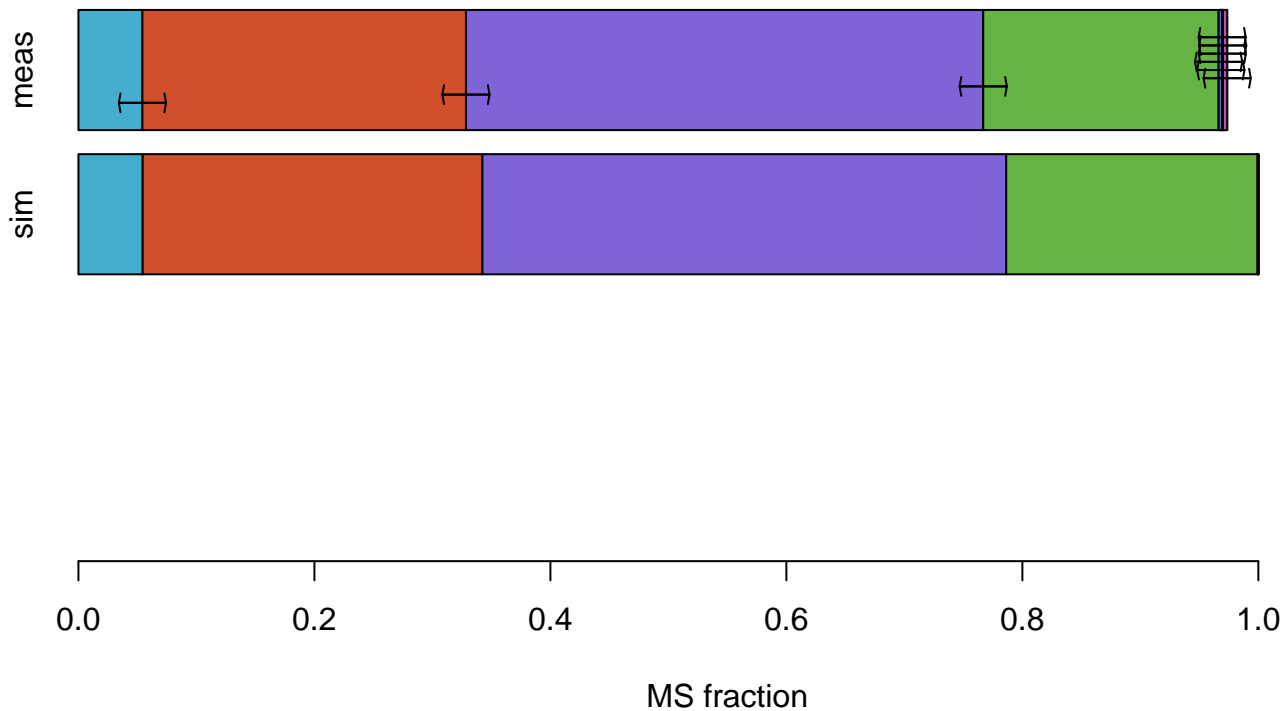
Leu #011111



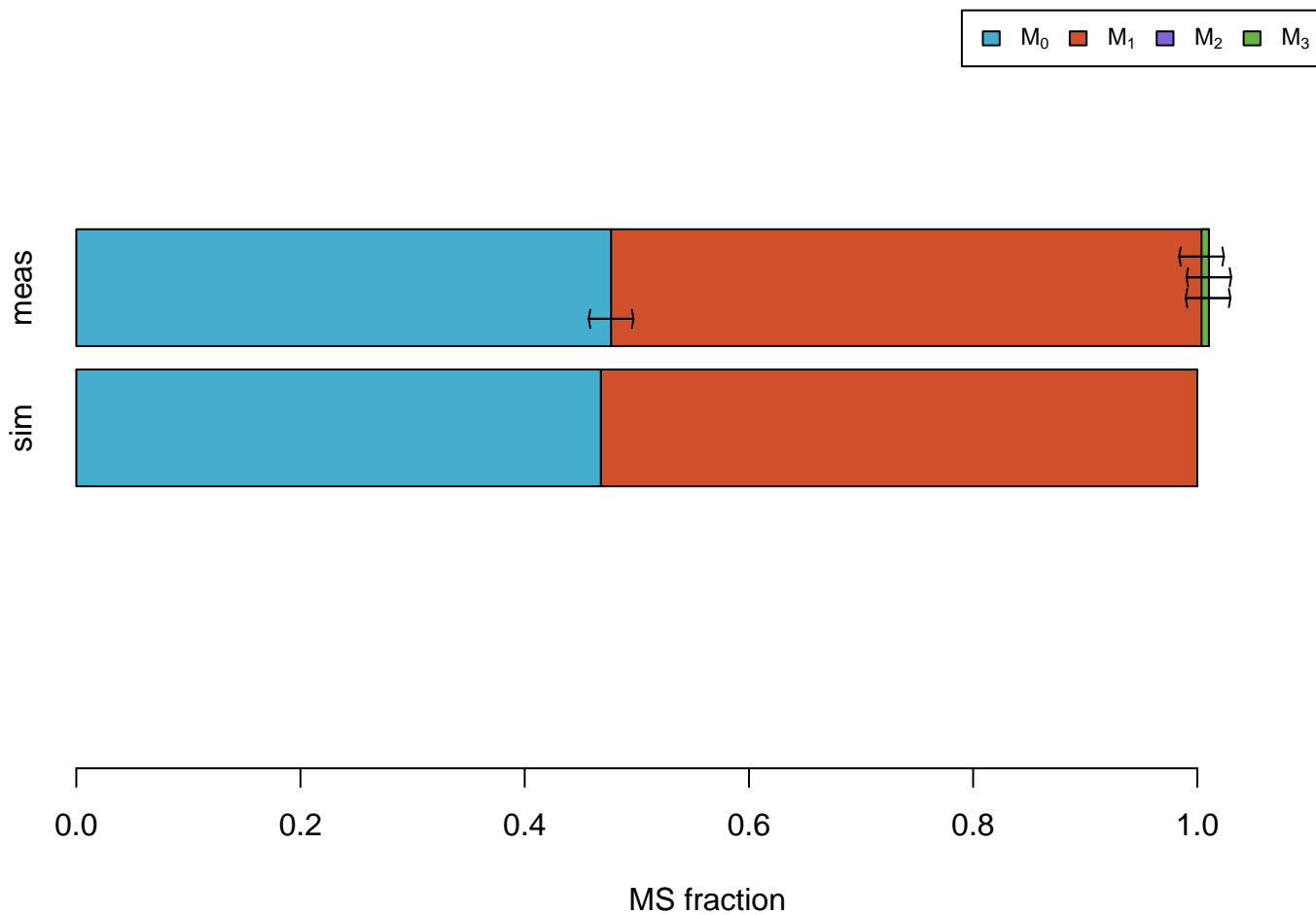
Phe #110000000



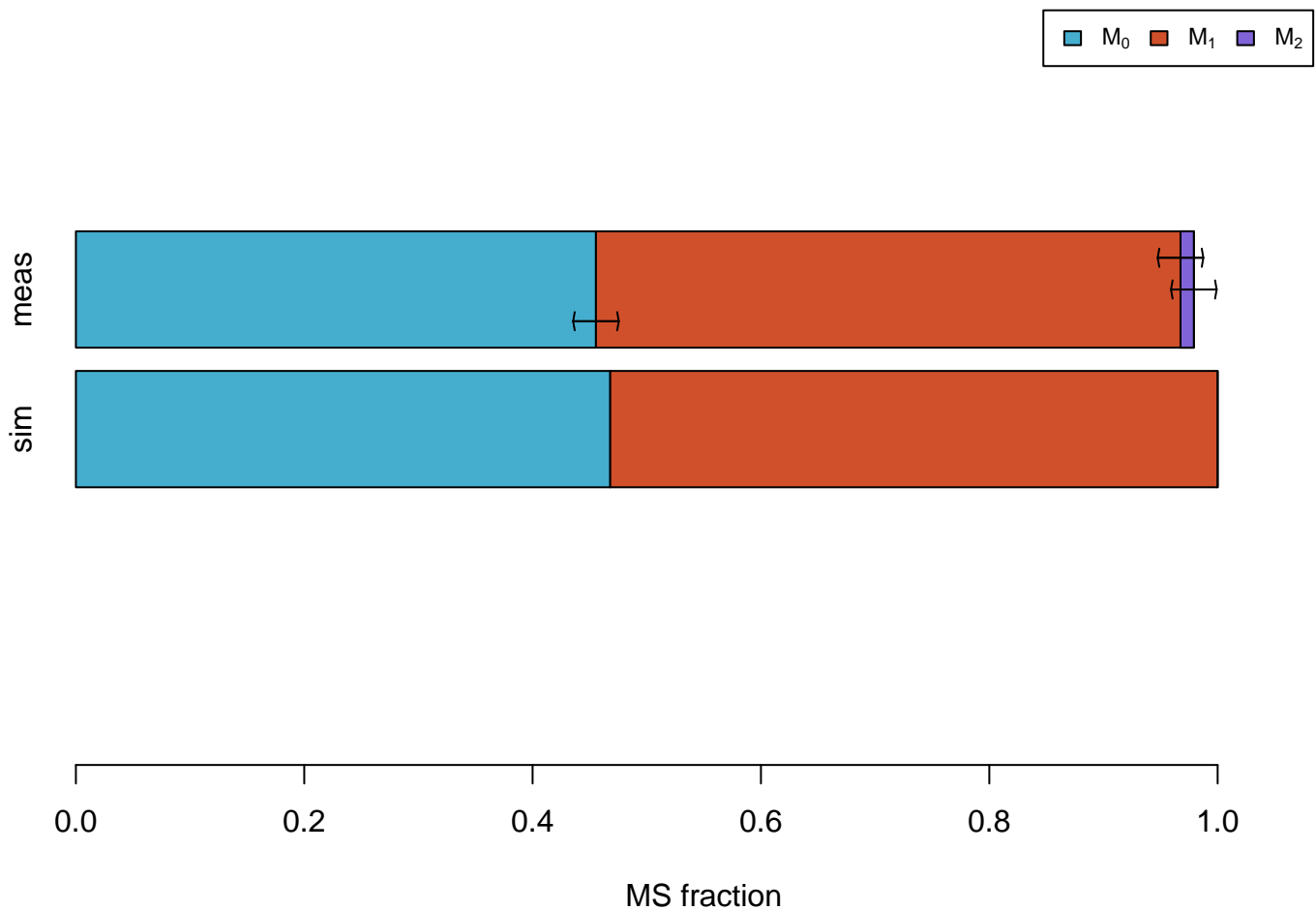
Phe #011111111



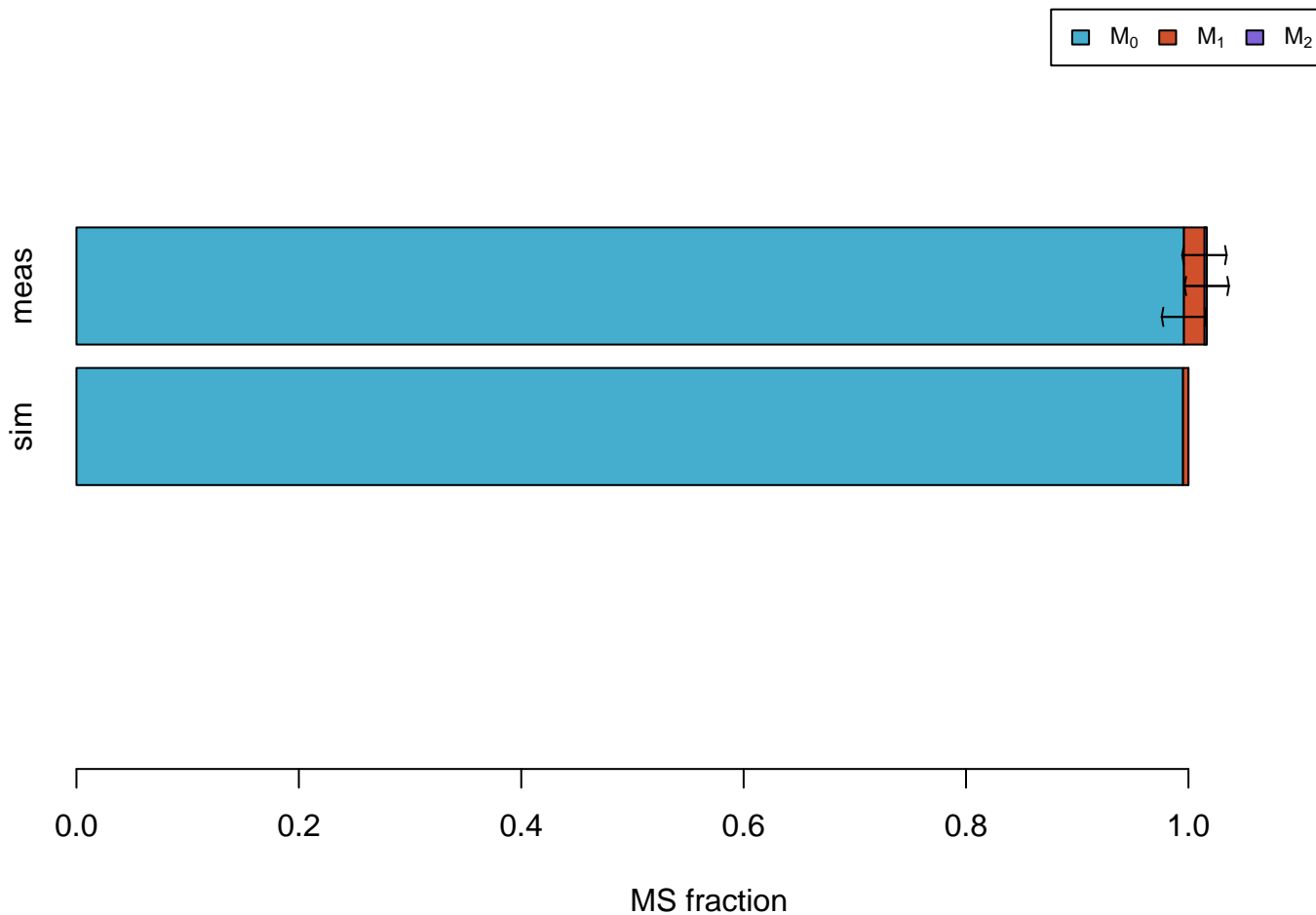
Ser



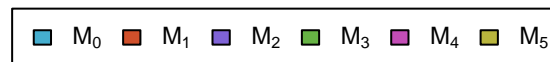
Ser #011



Tyr #110000000



Val



meas

sim



MS fraction

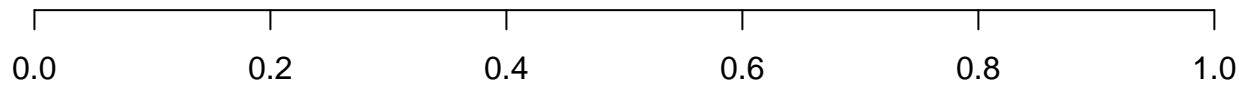
Val #01111



MS fraction

MS simulations

3PG



MS fraction

Ac



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

AcCoA

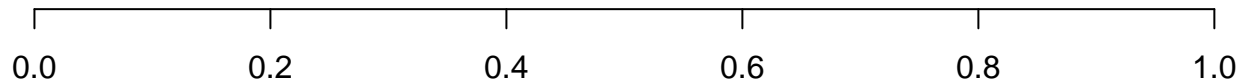
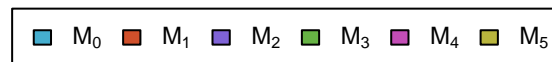


sim



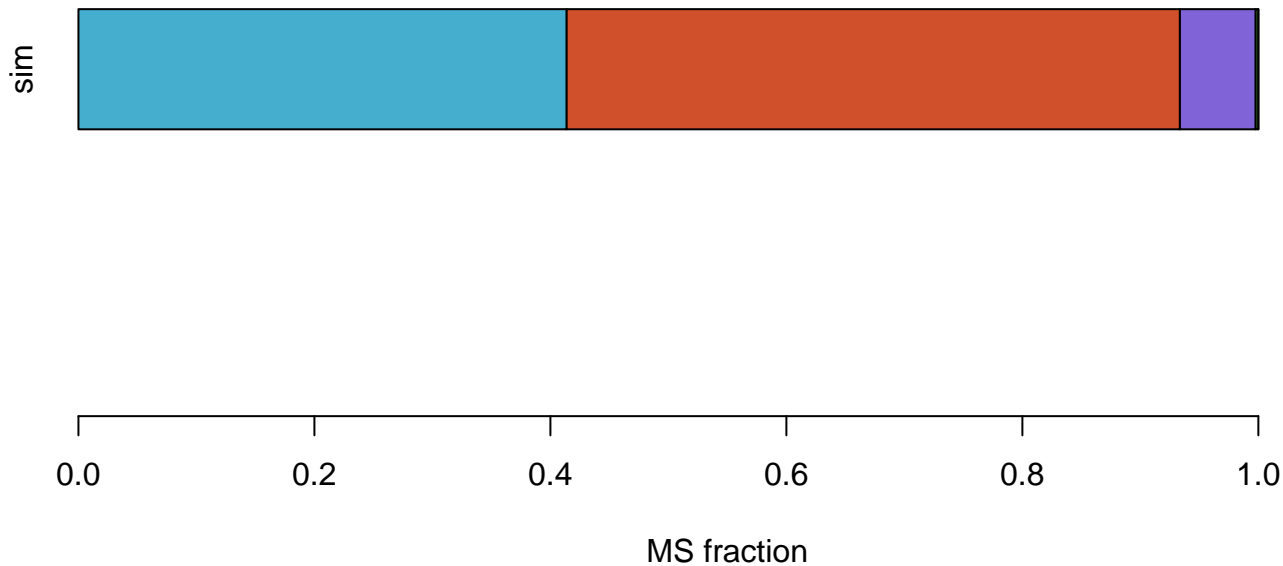
MS fraction

AKG

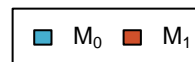


MS fraction

Asn



CO2

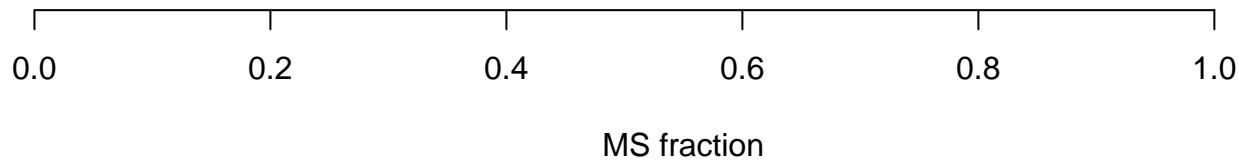


sim



MS fraction

Cys

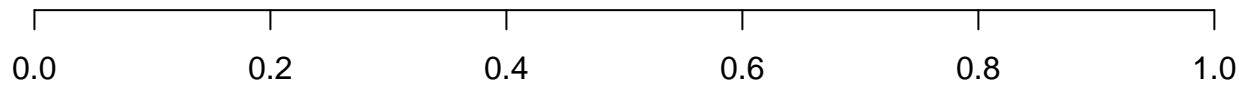


DHAP



MS fraction

E4P



MS fraction

FTHF



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Fum



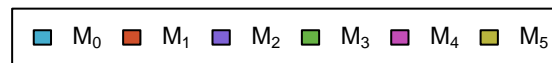
MS fraction

GAP



MS fraction

Gln



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

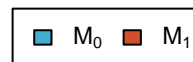
MS fraction

Mal



MS fraction

MEETHF



sim



0.0

0.2

0.4

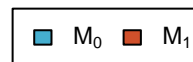
0.6

0.8

1.0

MS fraction

METHF



sim



0.0

0.2

0.4

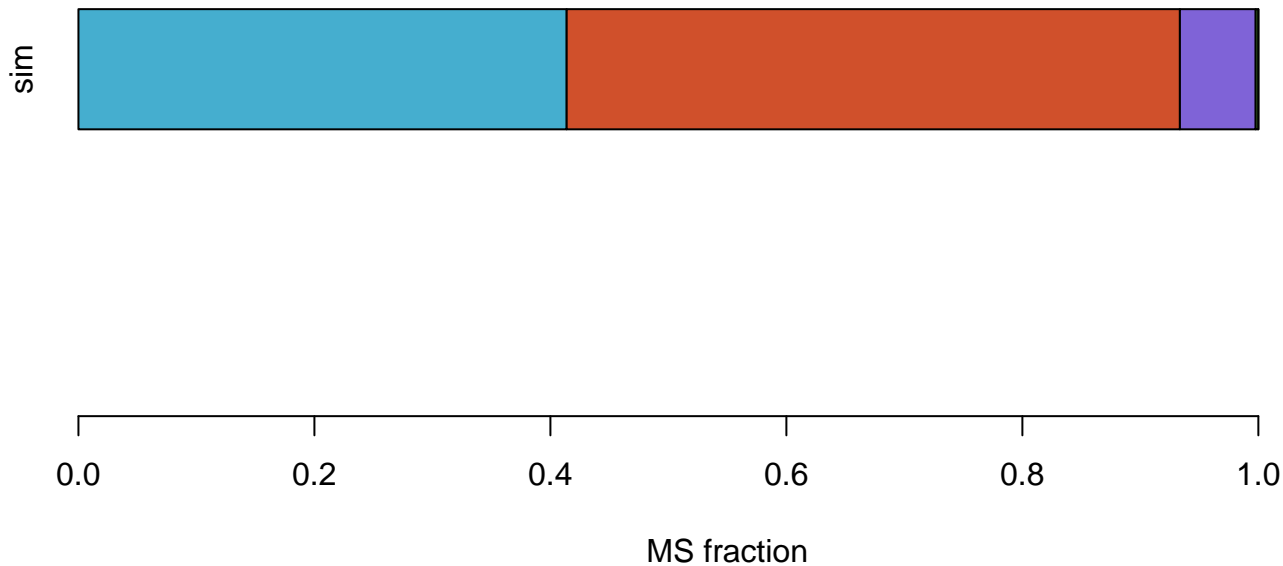
0.6

0.8

1.0

MS fraction

OAC

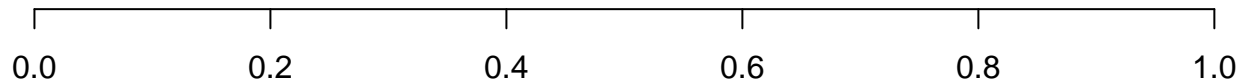
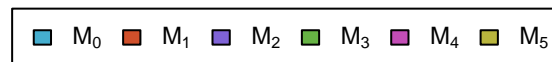


PEP



MS fraction

Pro



MS fraction

Pyr



MS fraction

Suc



MS fraction

SucCoA



MS fraction

TA-C3



sim

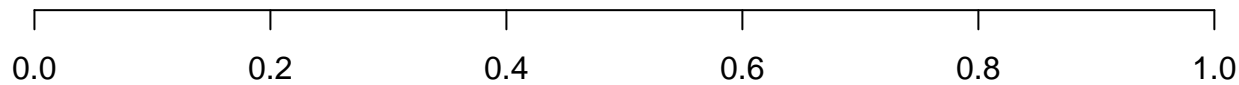


MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction