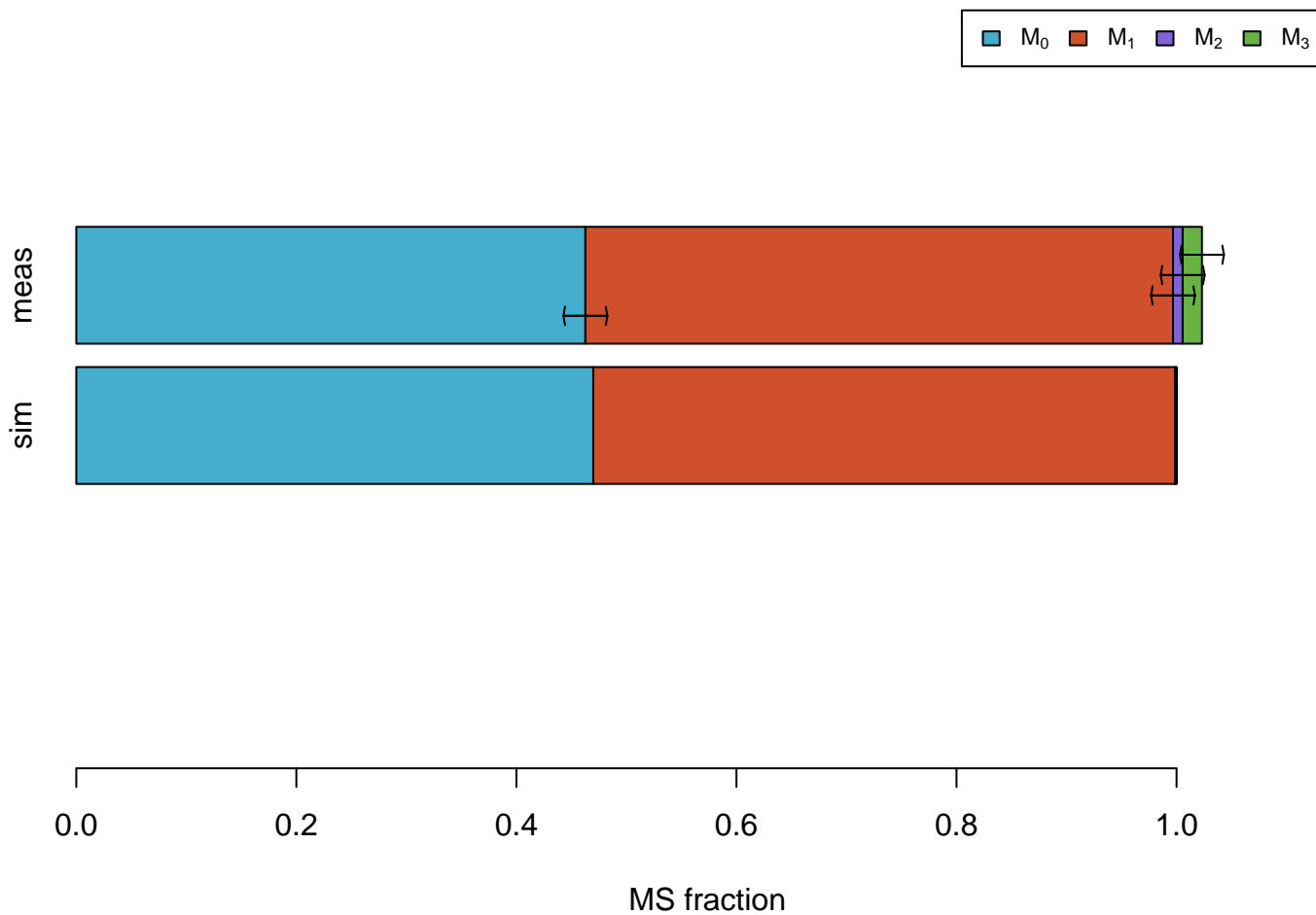
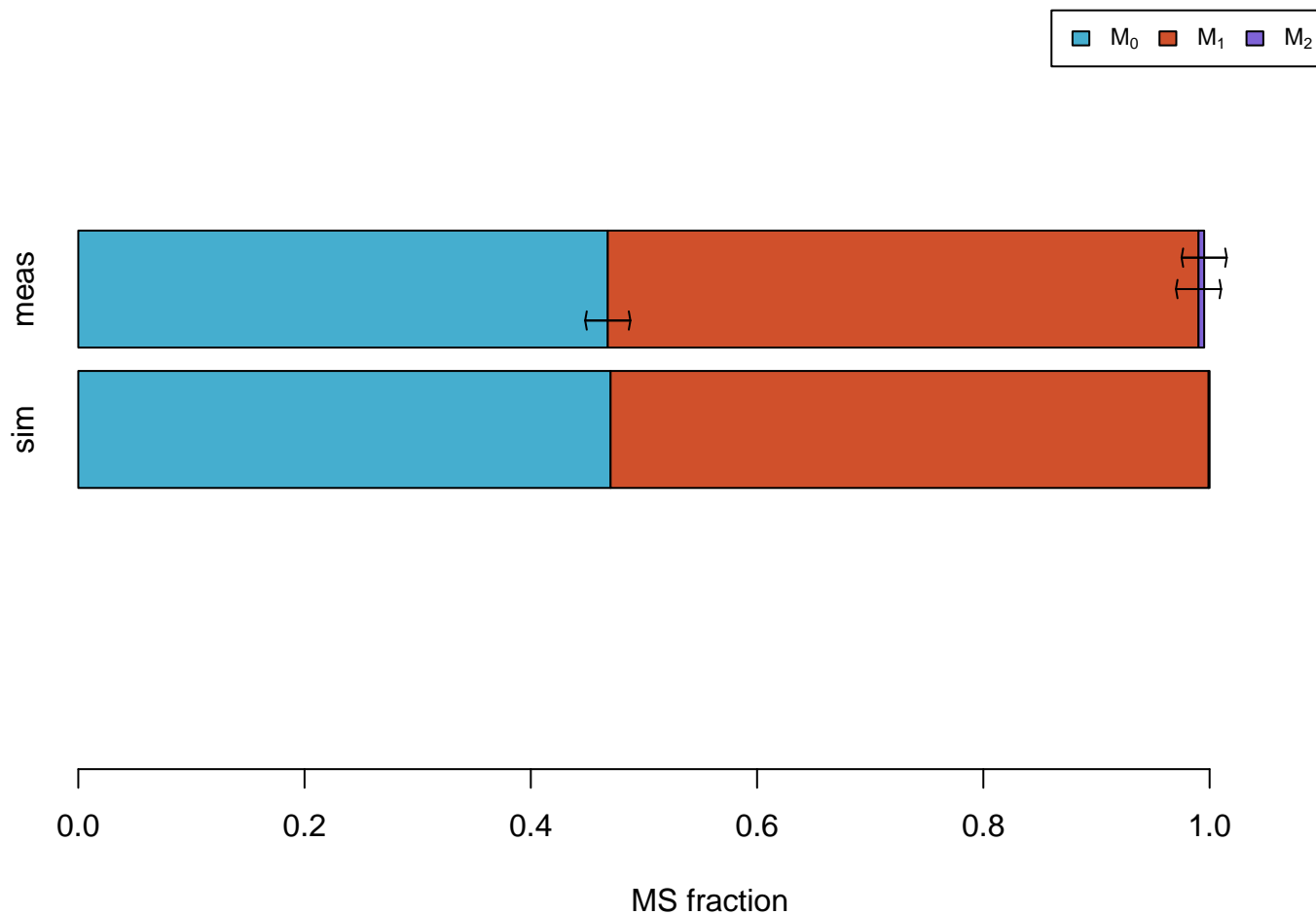


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

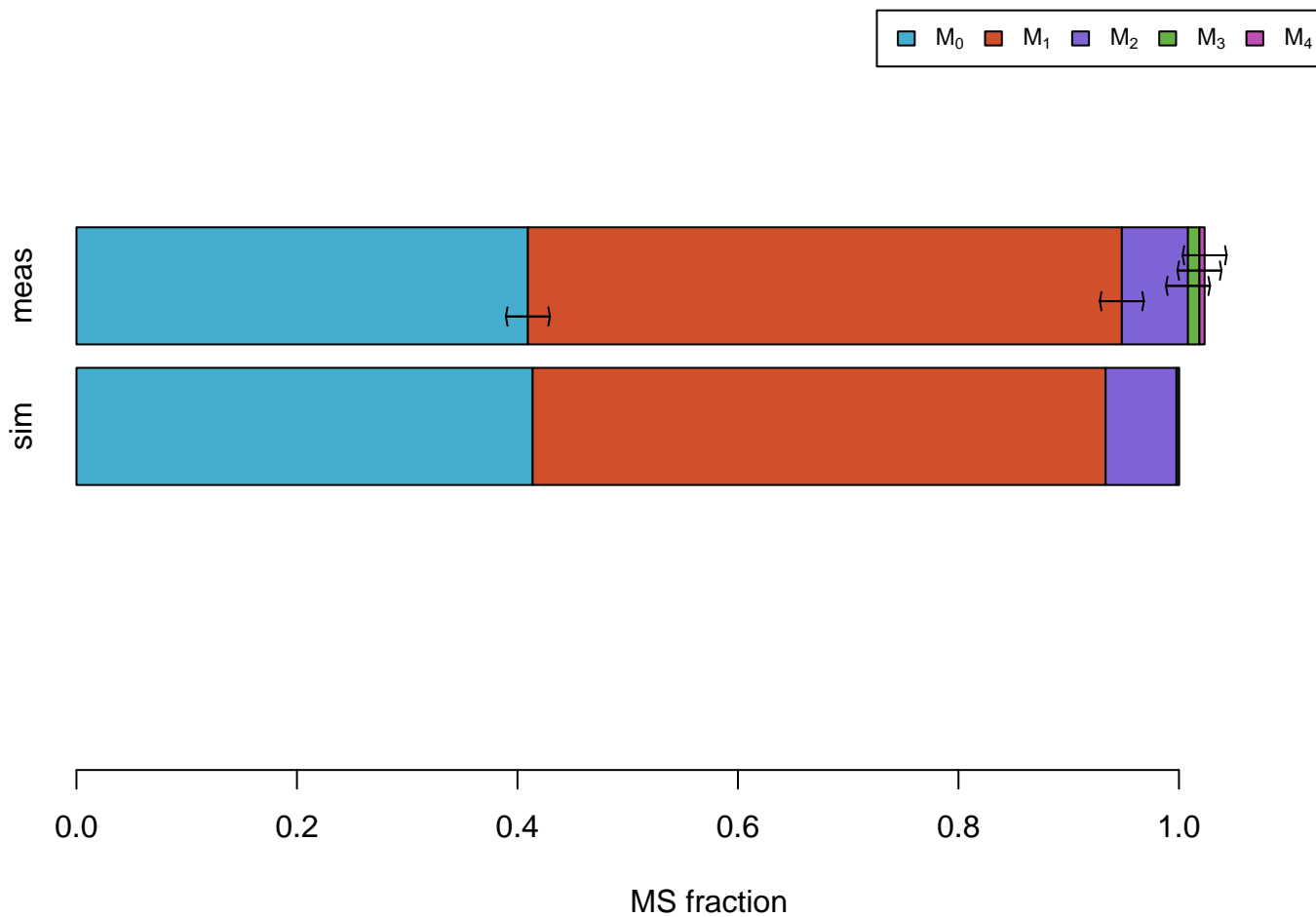
Ala



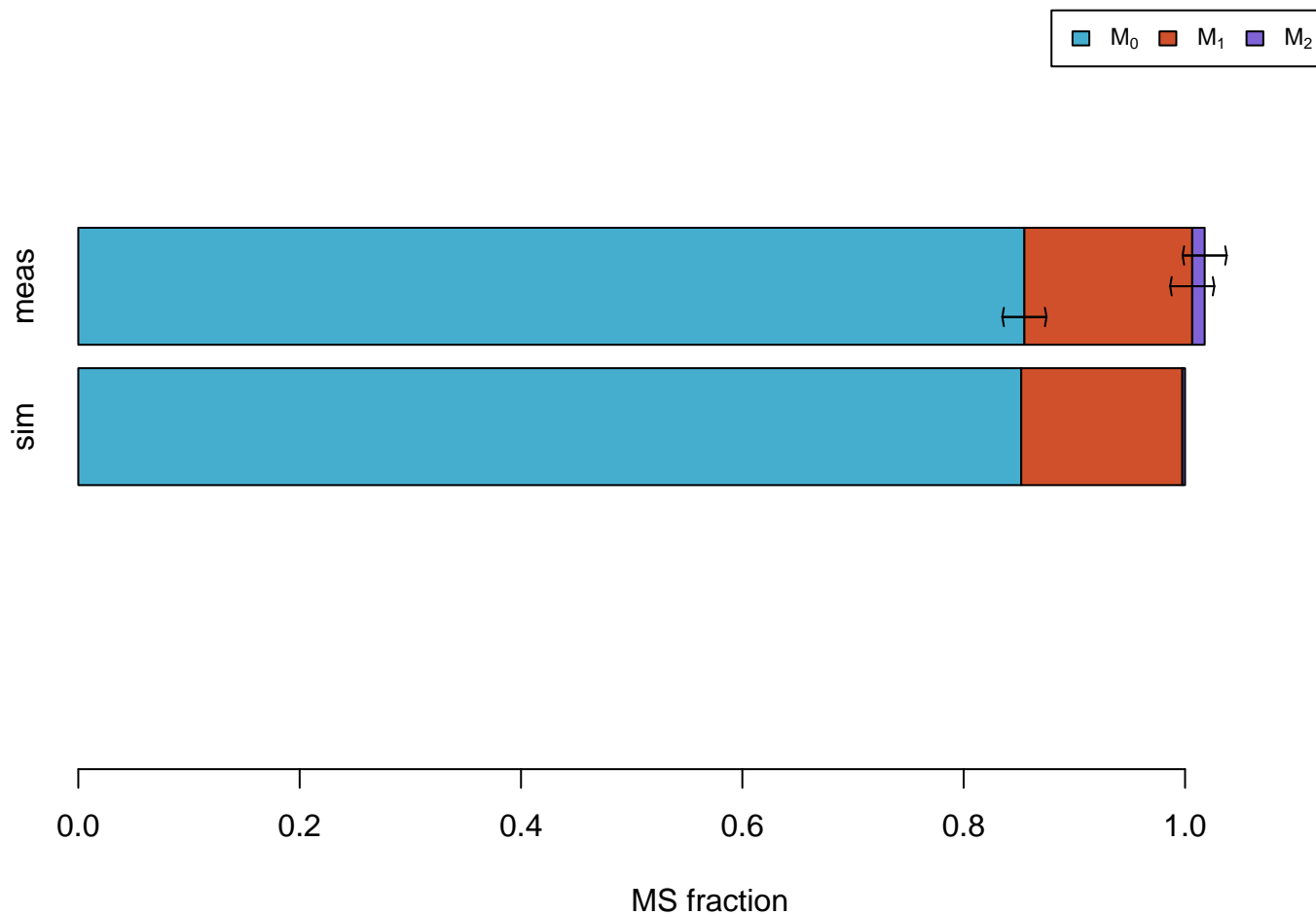
Ala #011



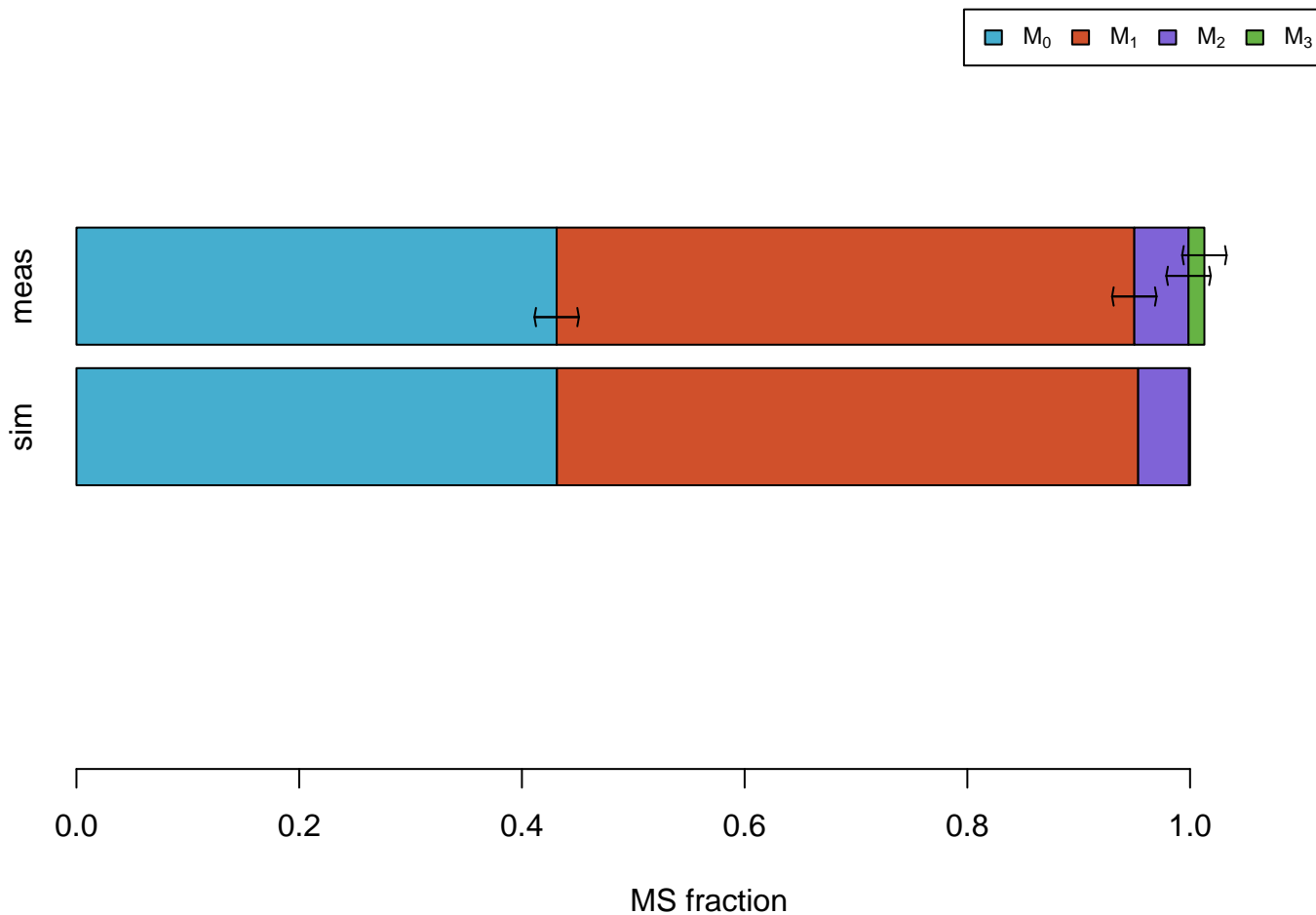
Asp



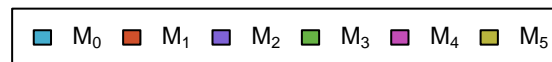
Asp #1100



Asp #0111

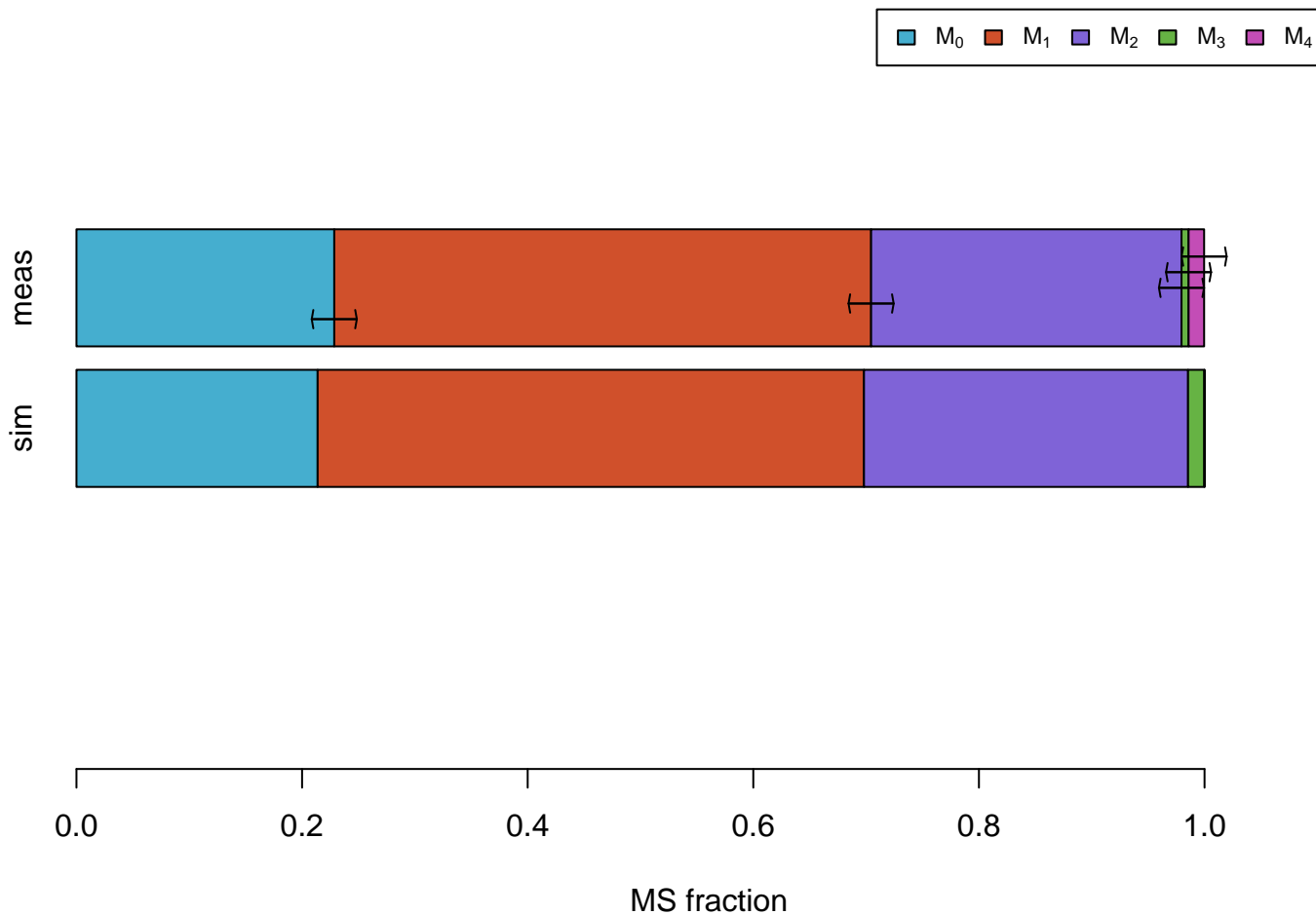


Glu

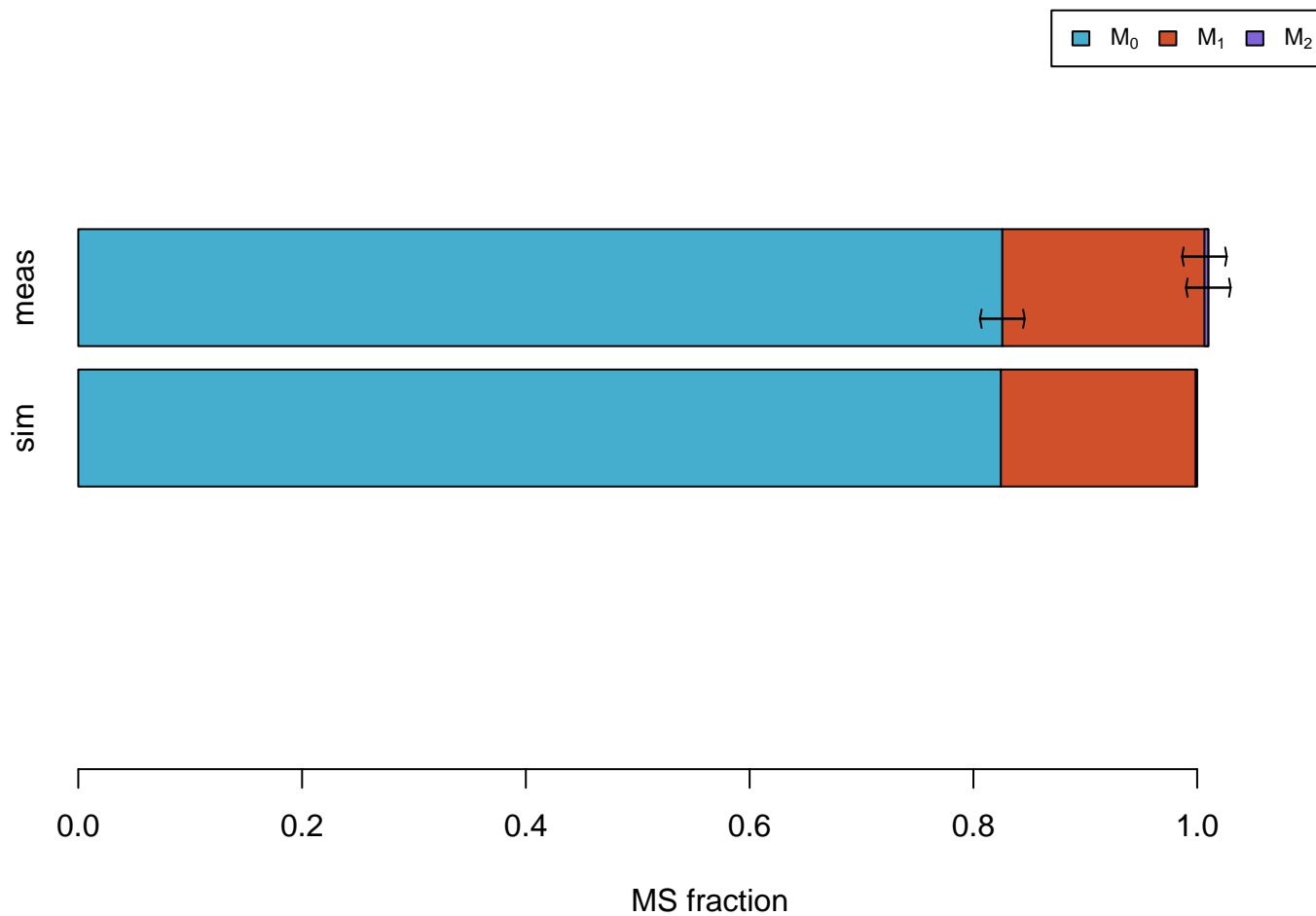


MS fraction

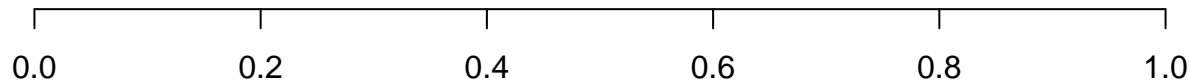
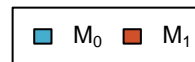
Glu #01111



Gly

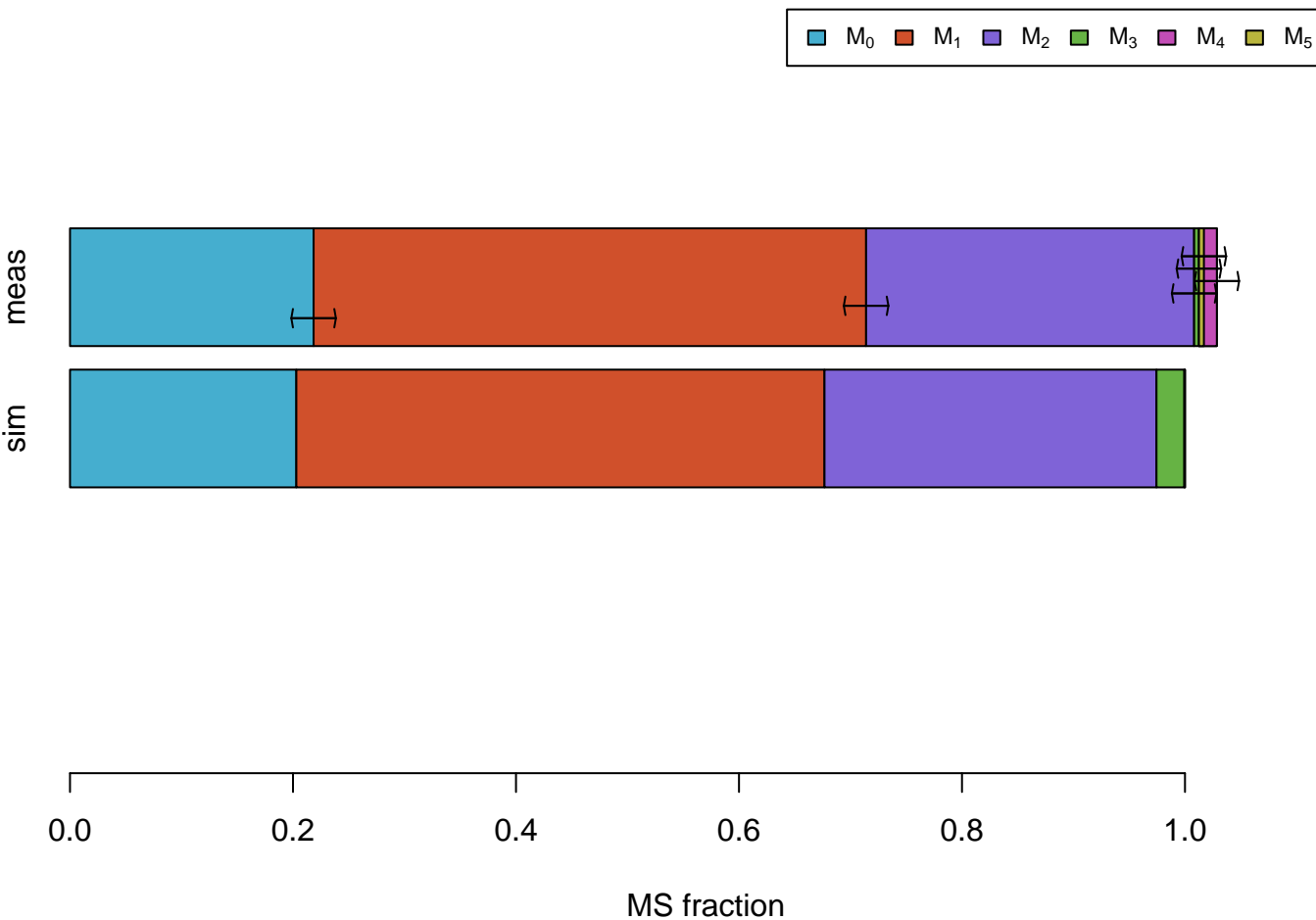


Gly #01

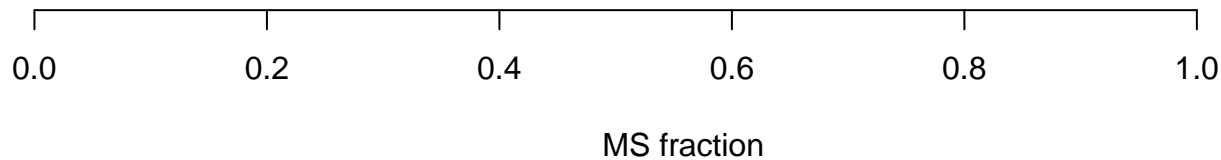
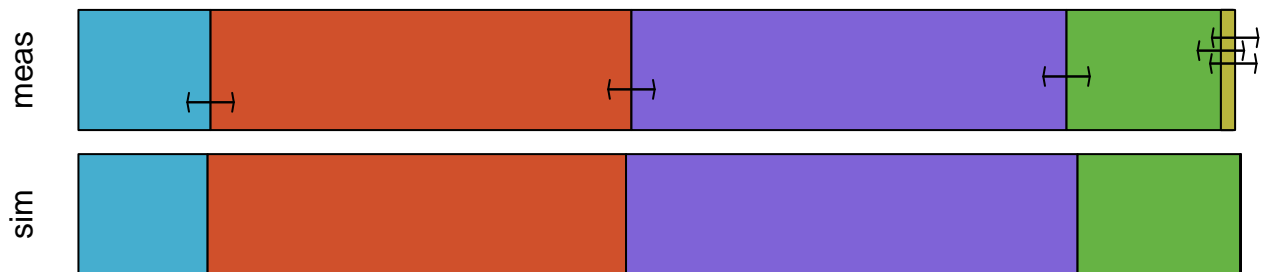
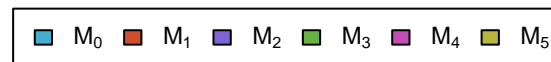


MS fraction

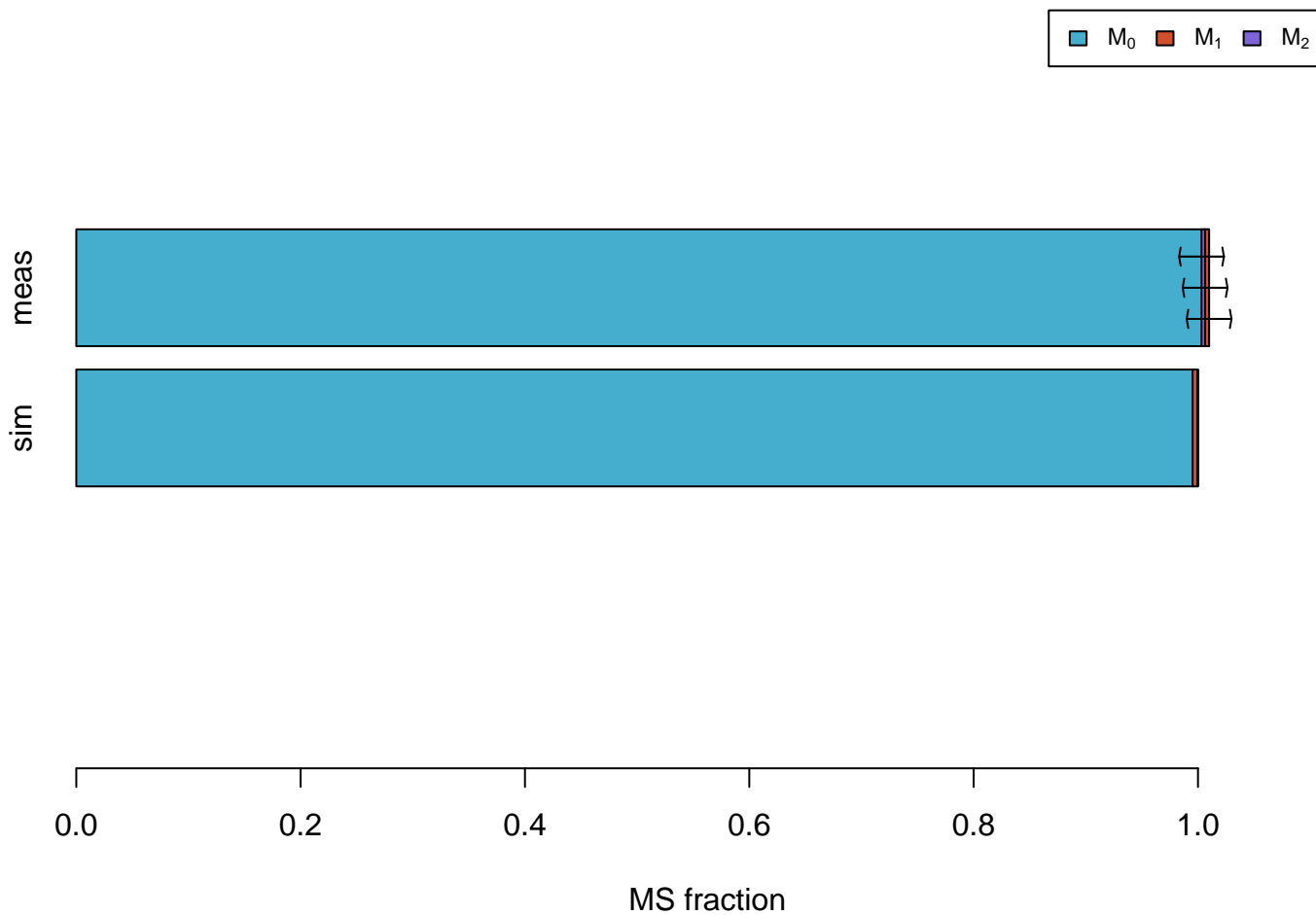
Ile #011111



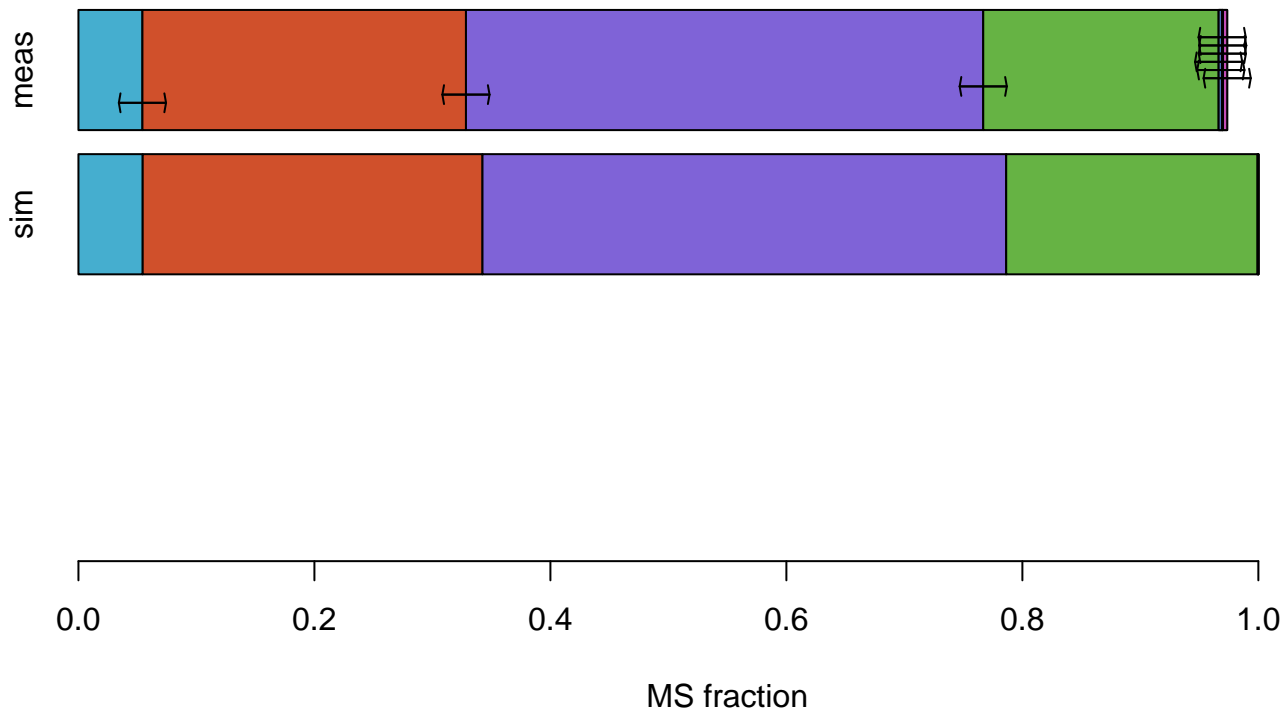
Leu #011111



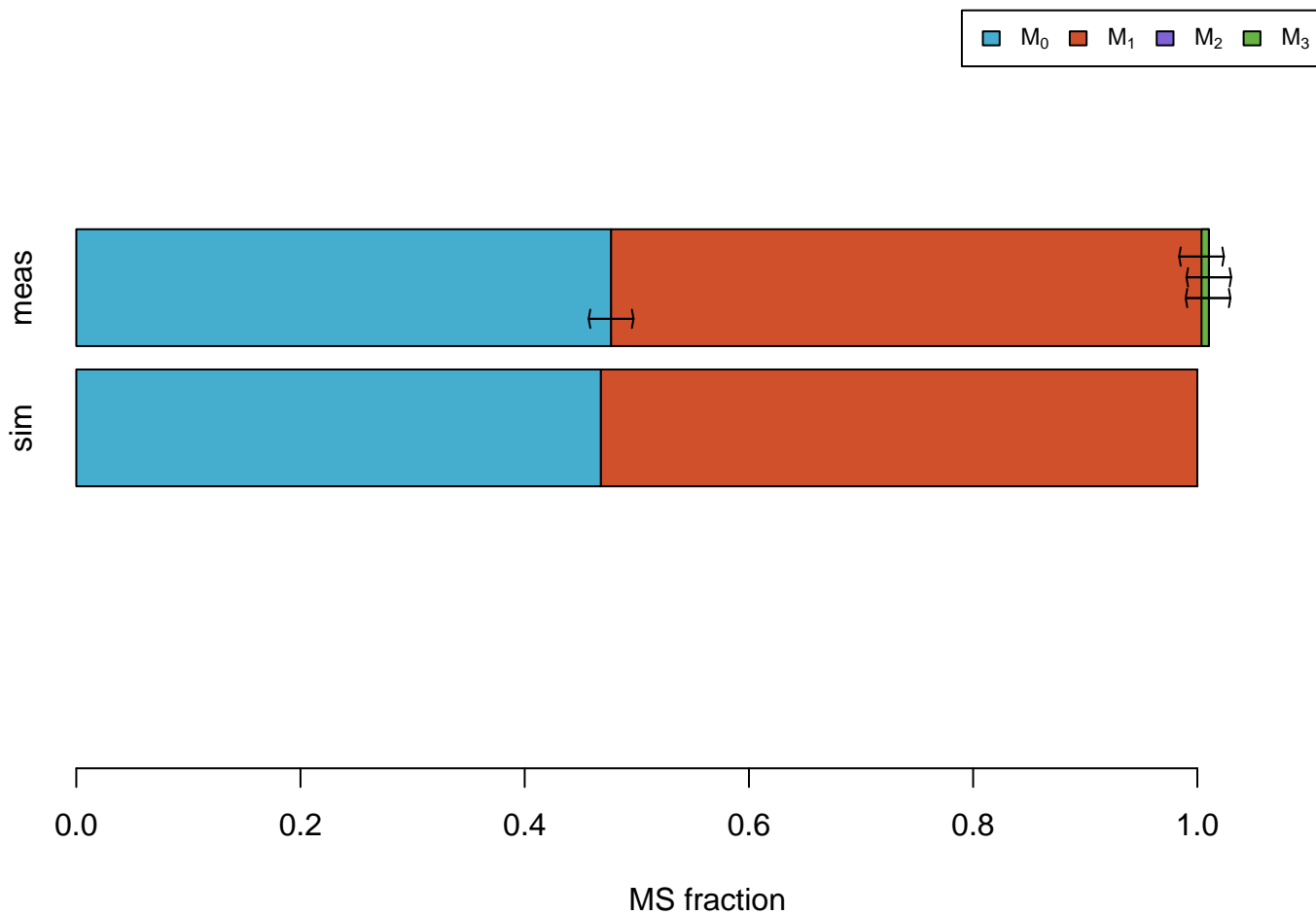
Phe #110000000



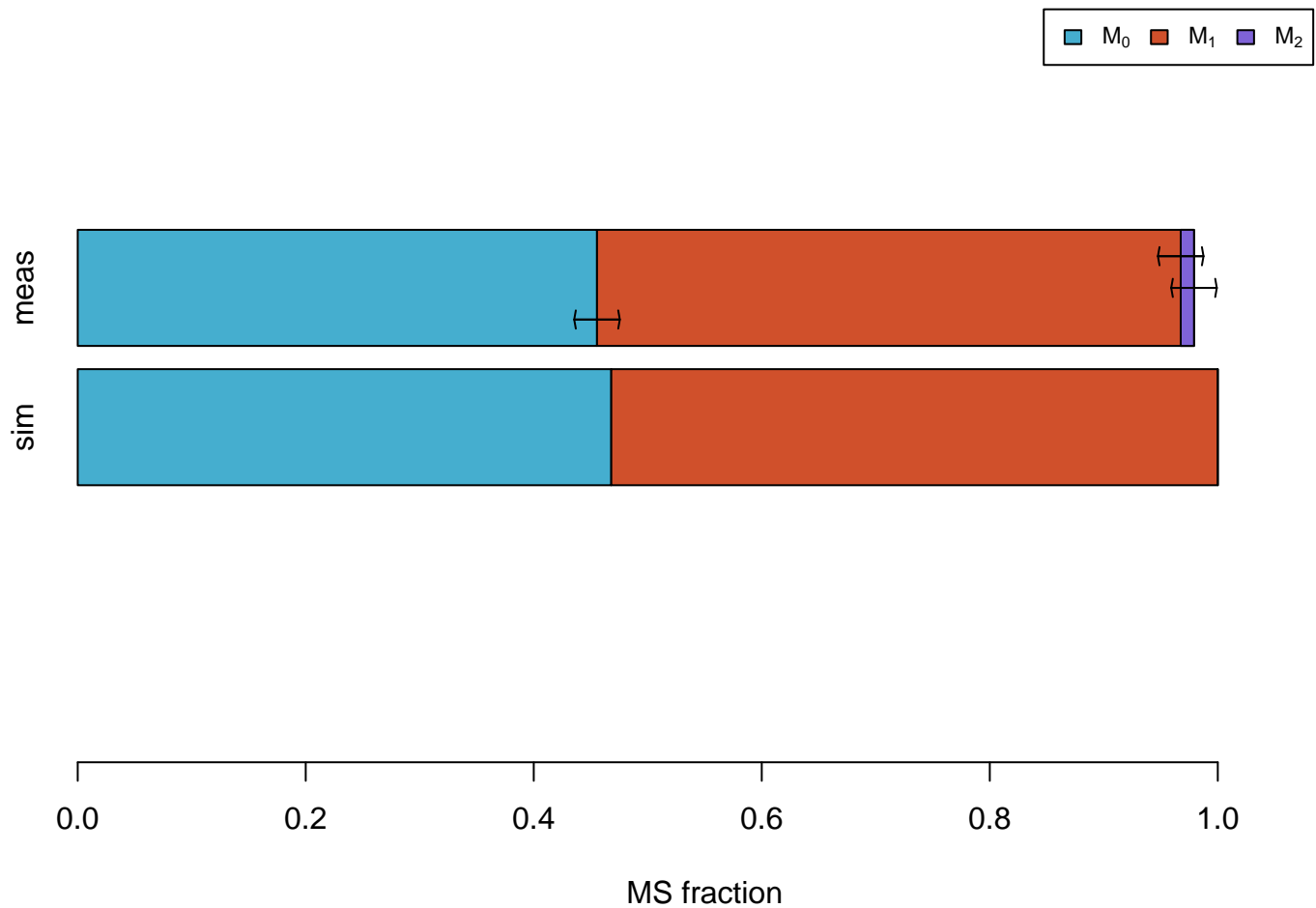
Phe #011111111



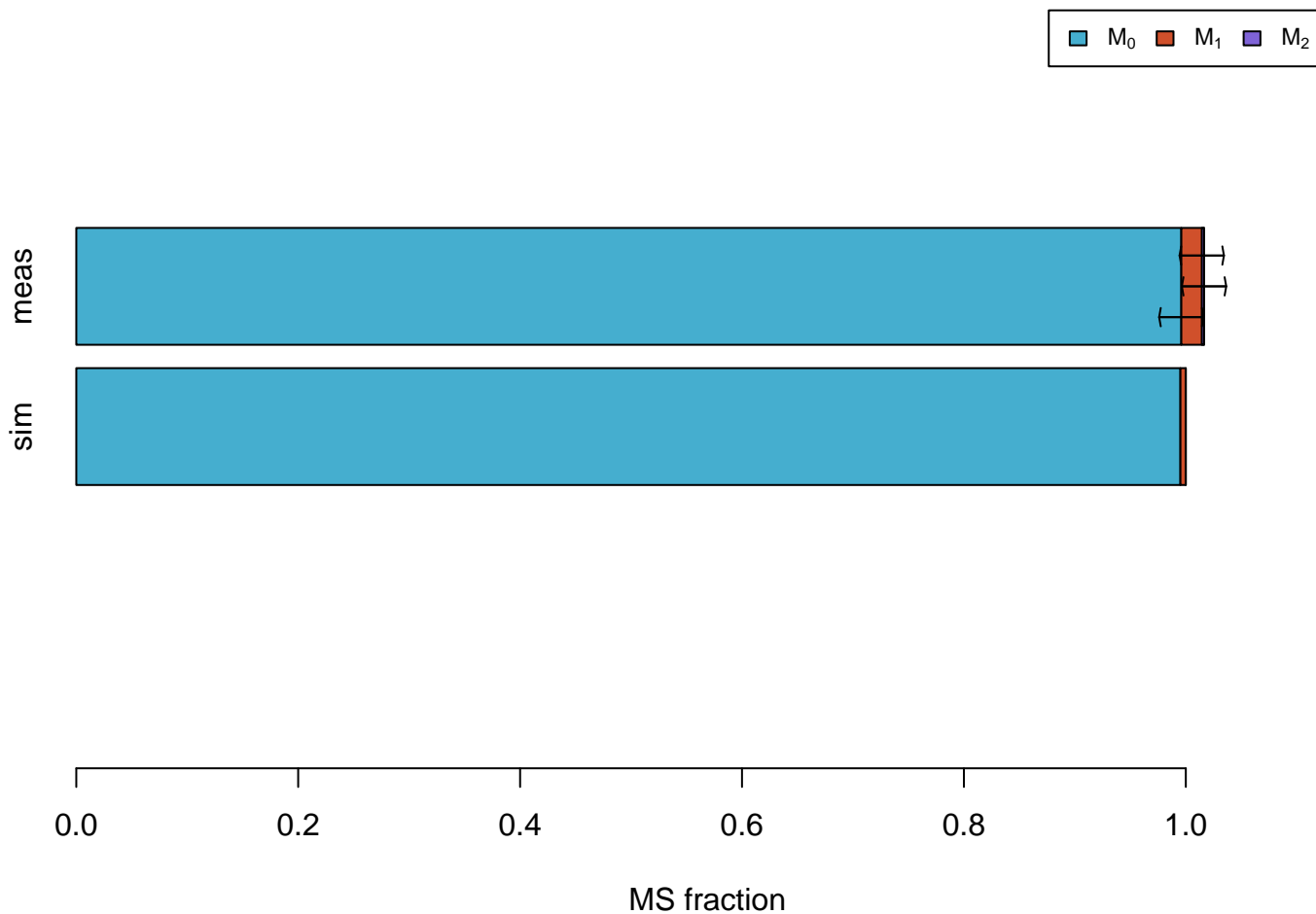
Ser



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

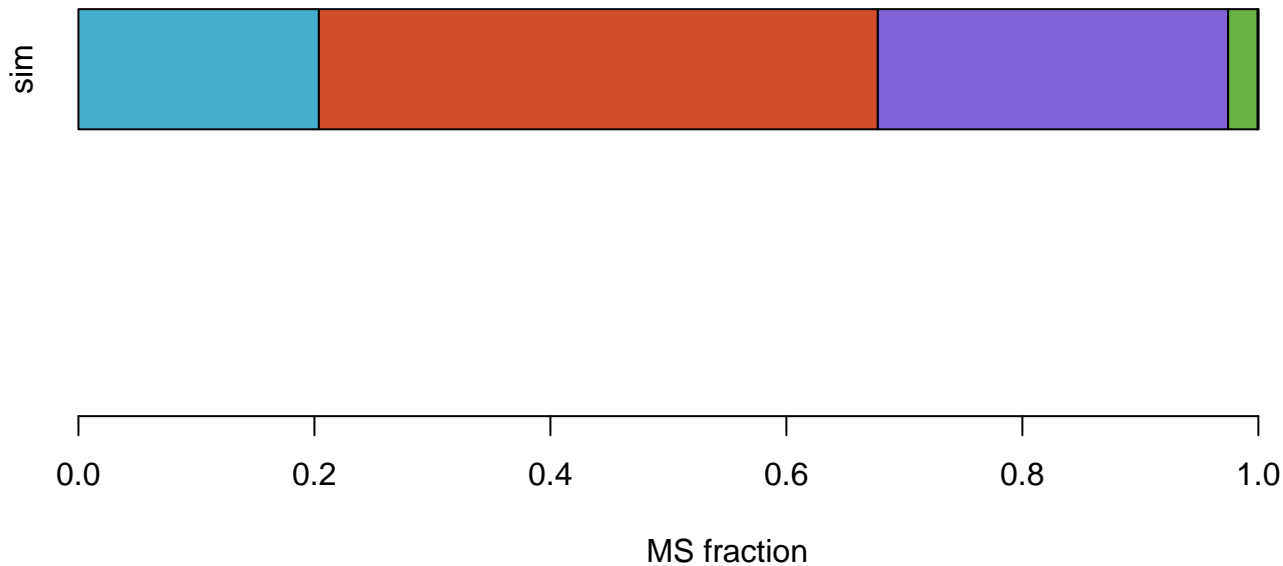
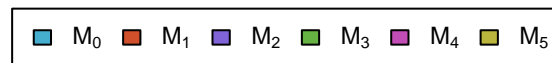


sim



MS fraction

AKG



Asn

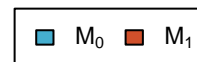


sim



MS fraction

CO2



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Cys



MS fraction

DHAP



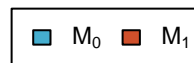
MS fraction

E4P



MS fraction

FTHF



sim



0.0

0.2

0.4

0.6

0.8

1.0

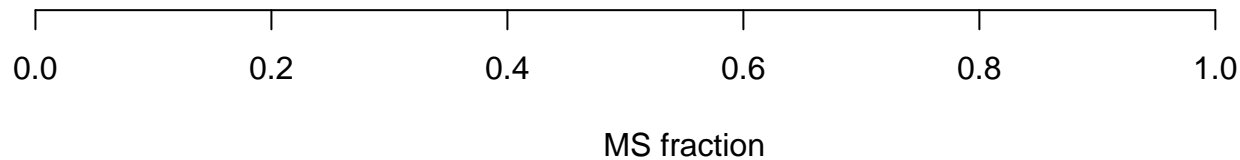
MS fraction

Fum

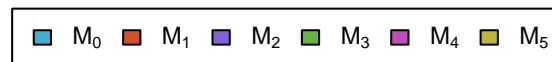


MS fraction

GAP



Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Glyox

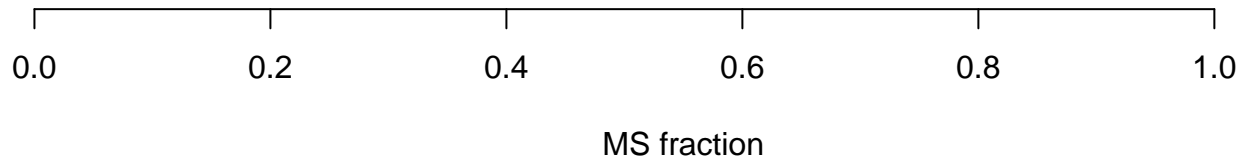


sim



MS fraction

Mal



MEETHF



sim



0.0

0.2

0.4

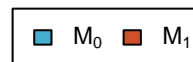
0.6

0.8

1.0

MS fraction

METHF



sim



MS fraction

OAC



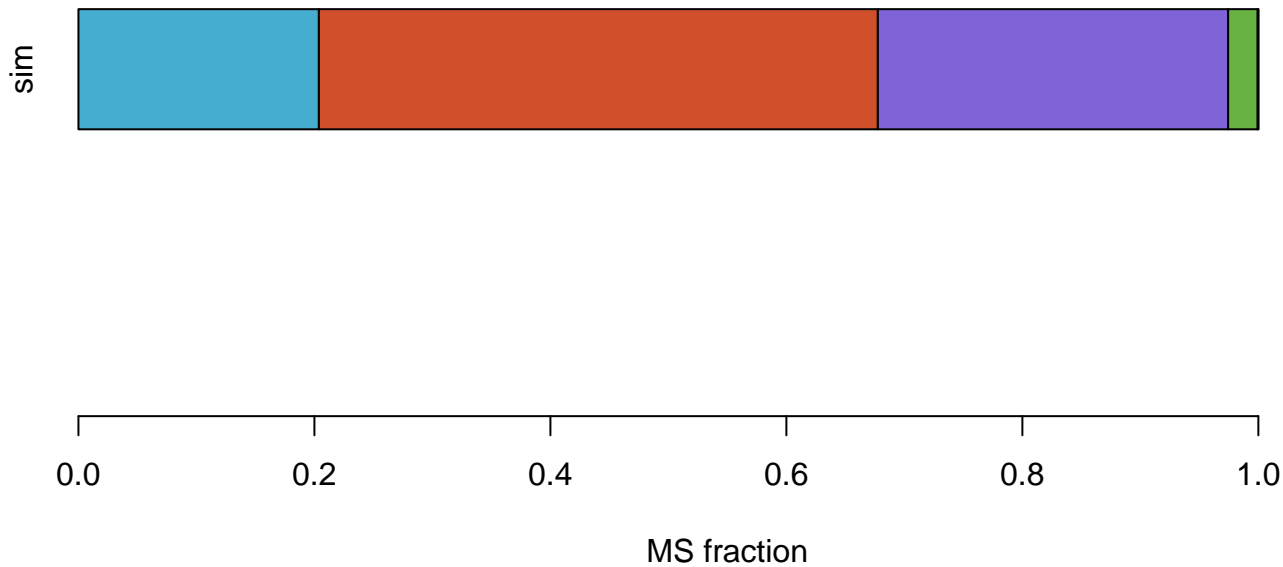
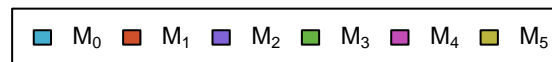
MS fraction

PEP



MS fraction

Pro



Pyr



sim



MS fraction

Suc



MS fraction

SucCoA



sim



MS fraction

TA-C3



sim



MS fraction

Thr



sim

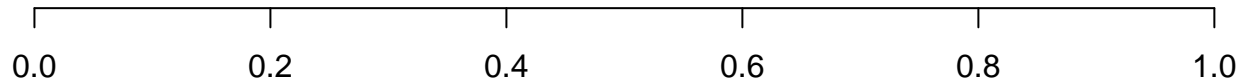


MS fraction

TK-C2



sim



MS fraction