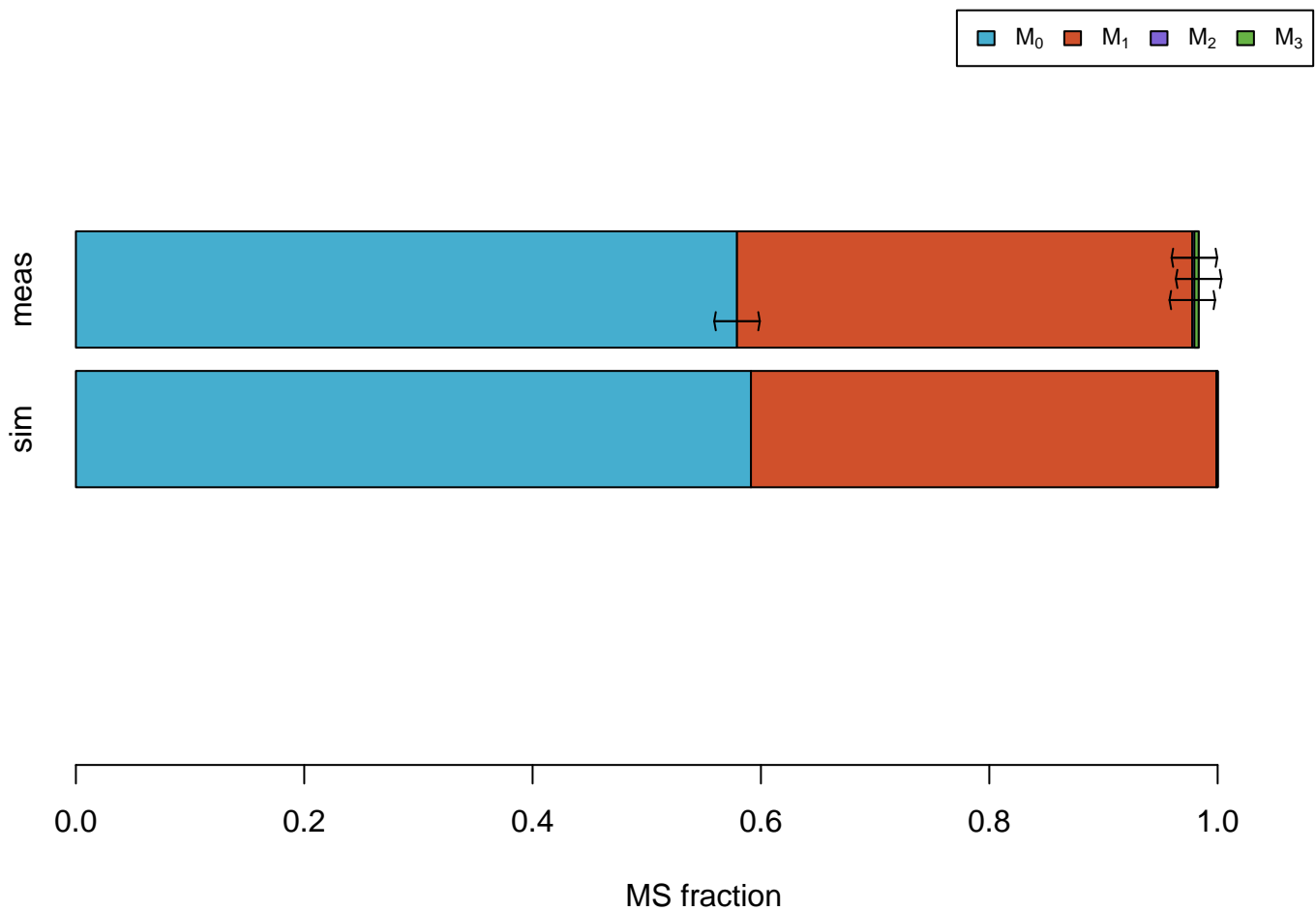
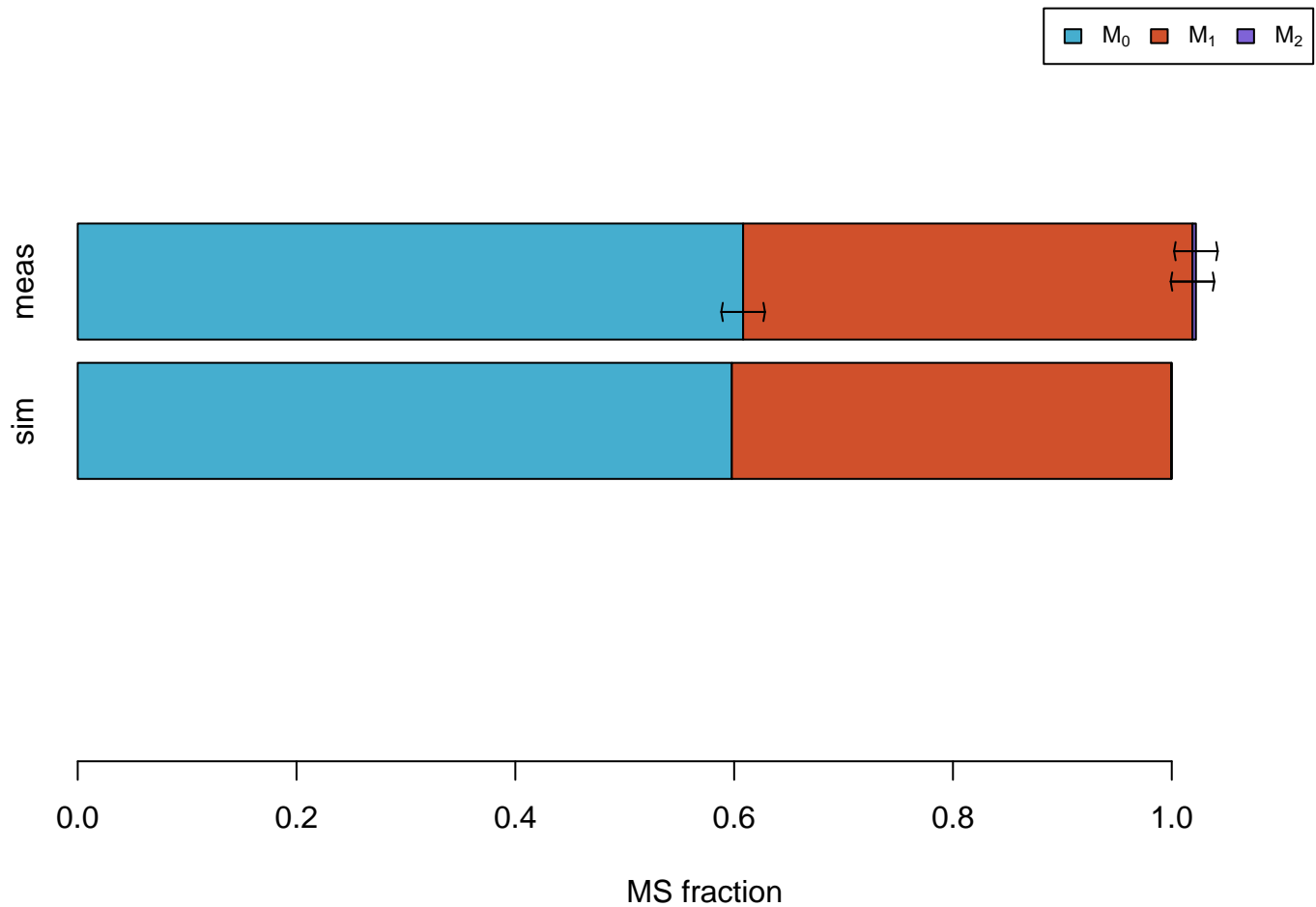


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

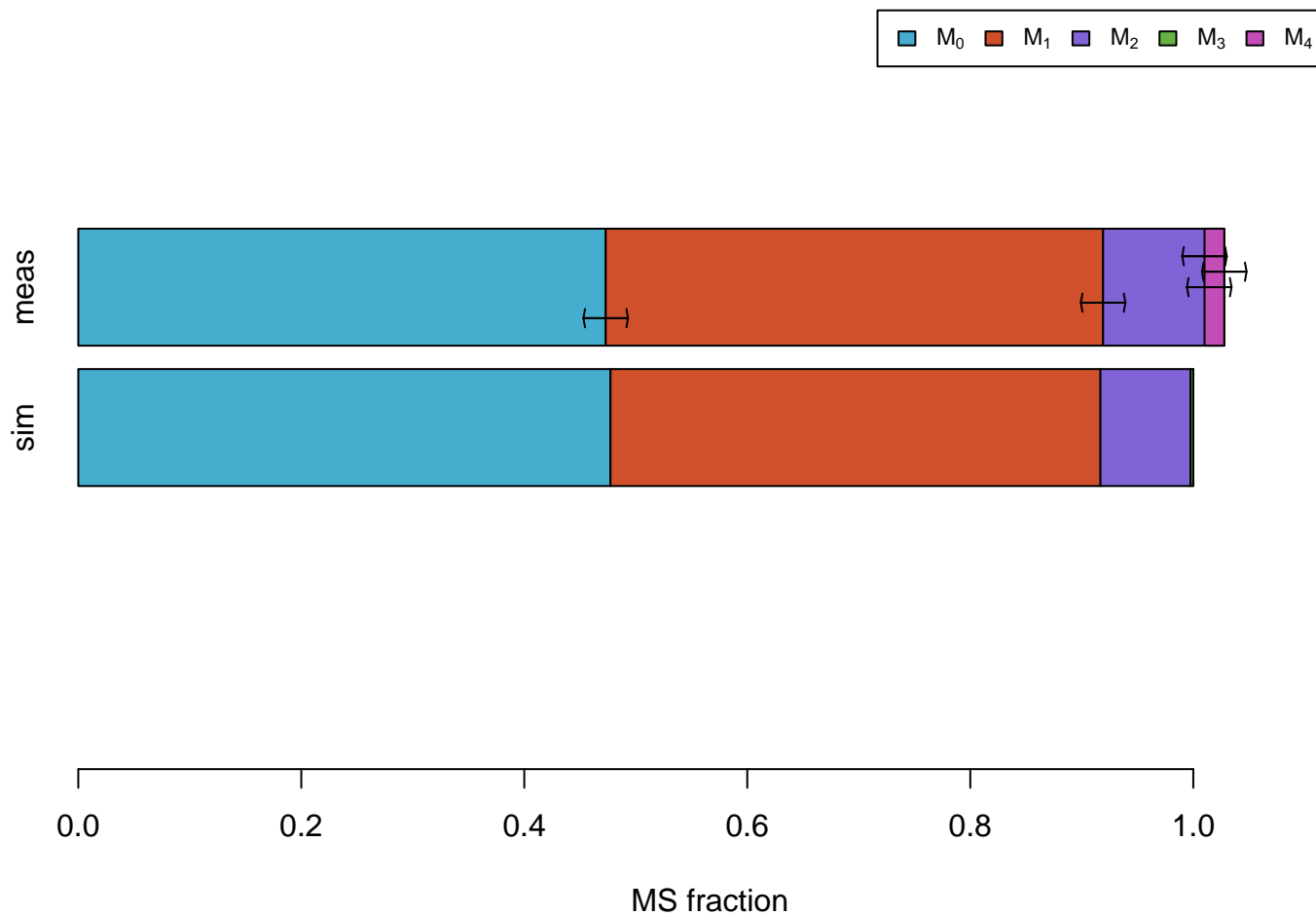
Ala



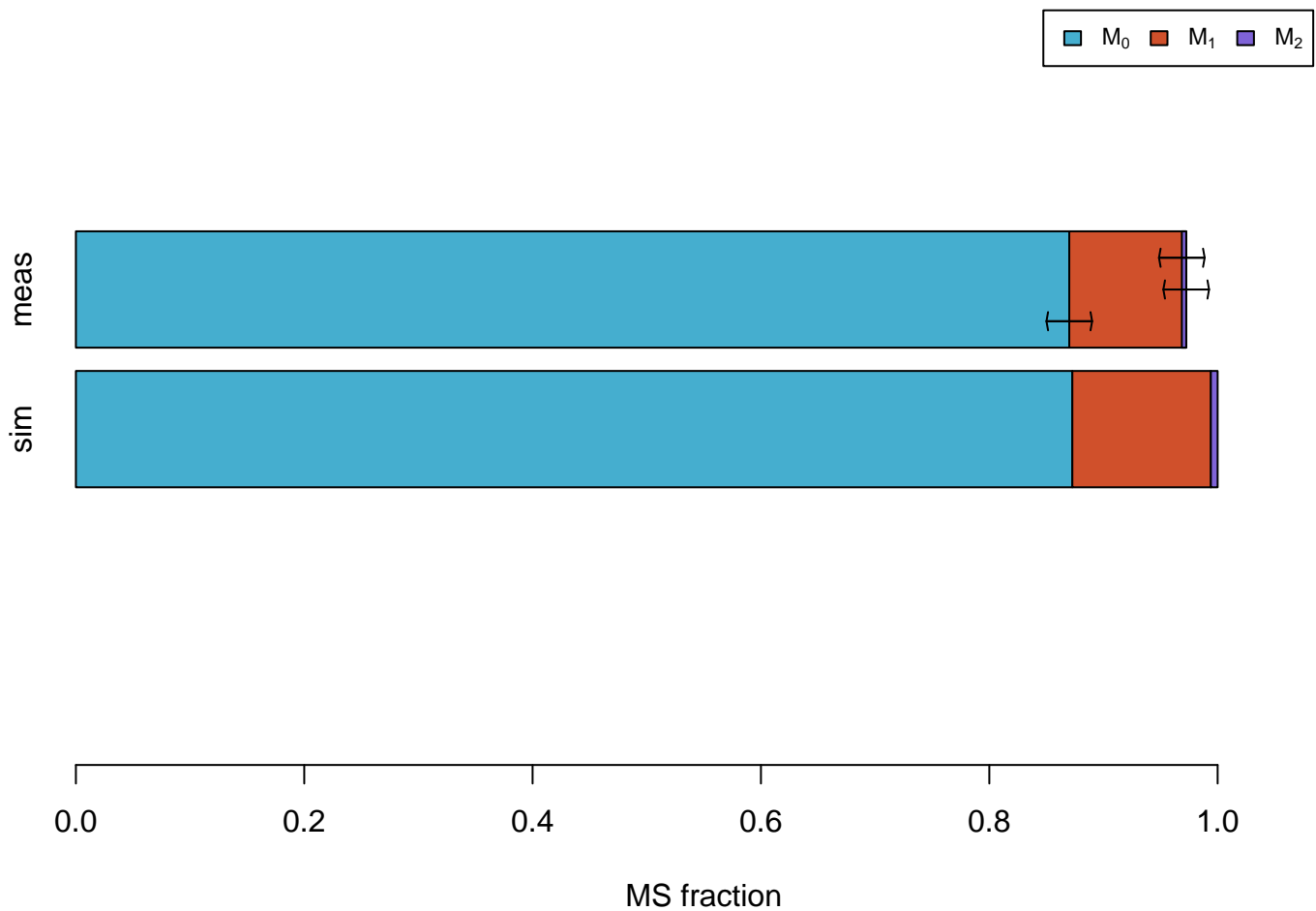
Ala #011



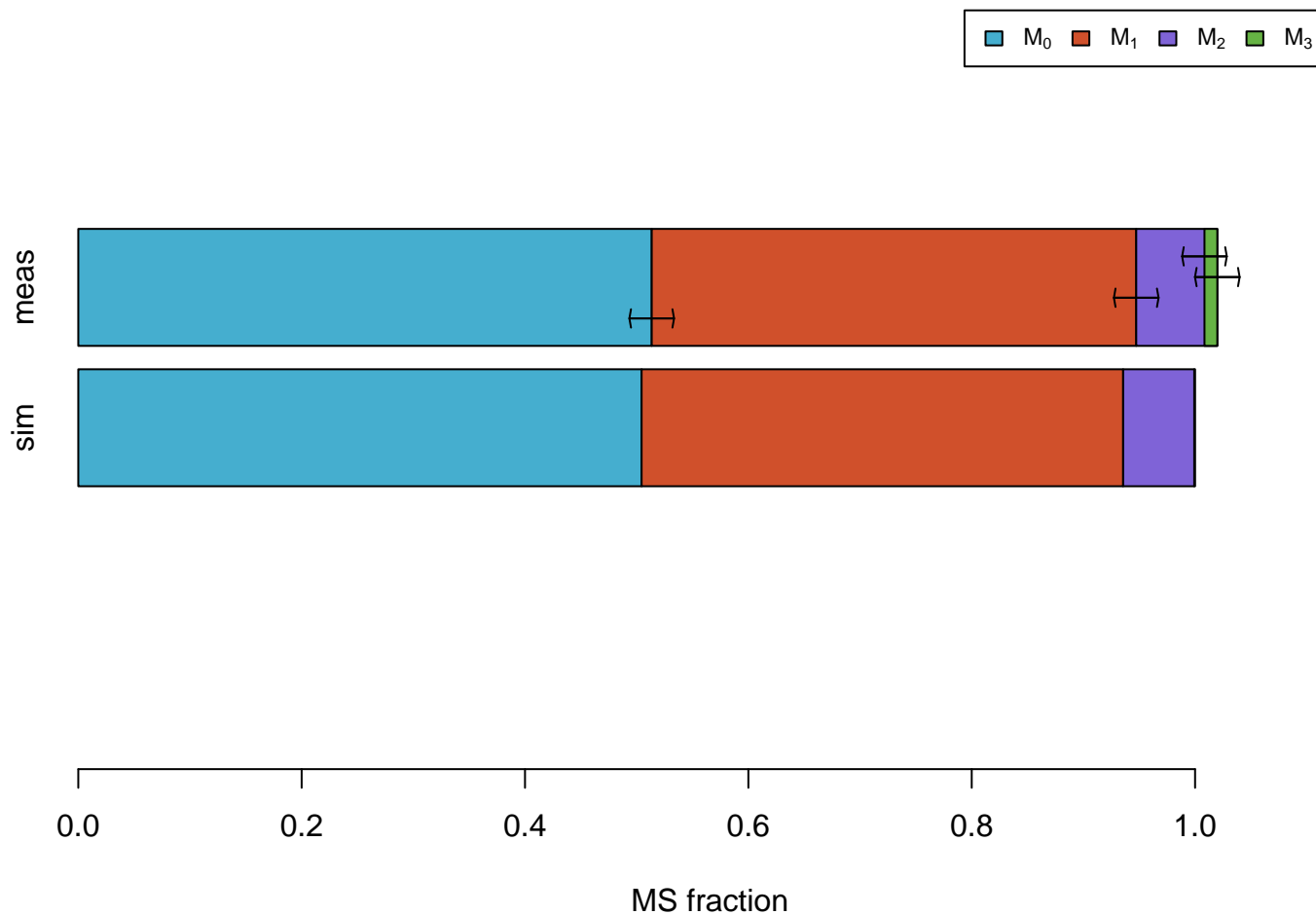
Asp



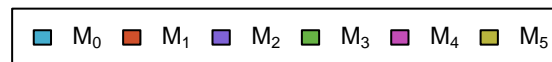
Asp #1100



Asp #0111

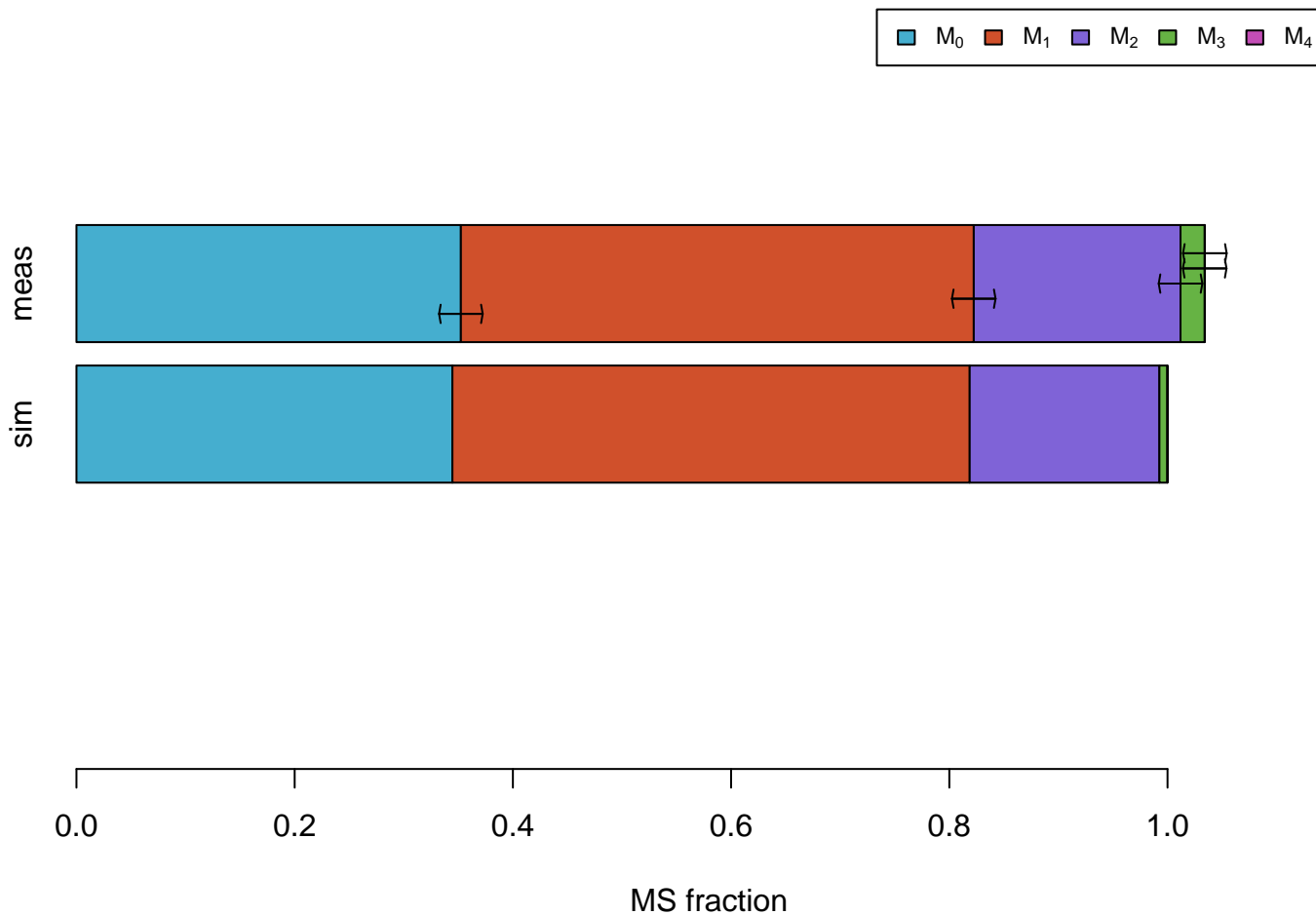


Glu

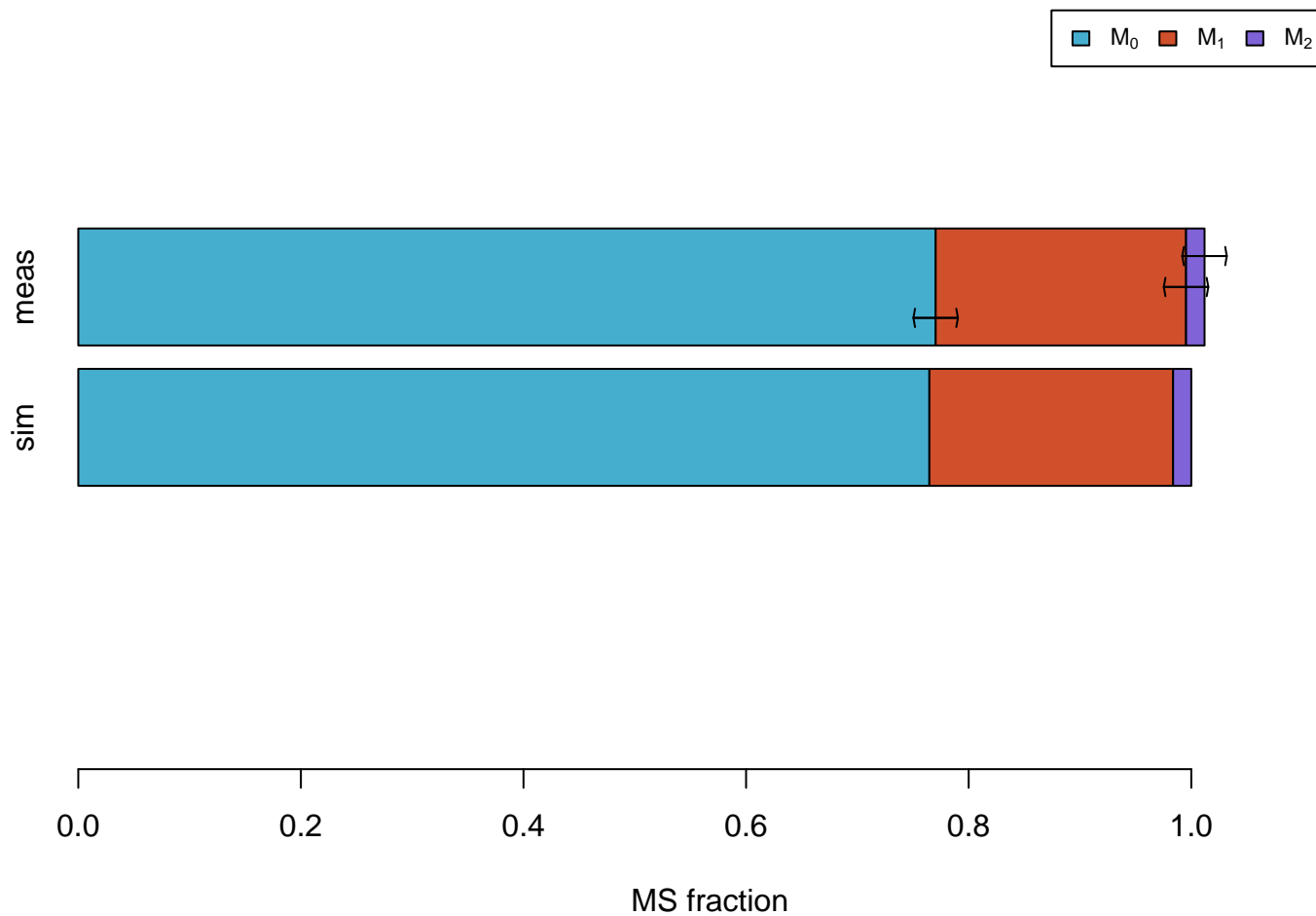


MS fraction

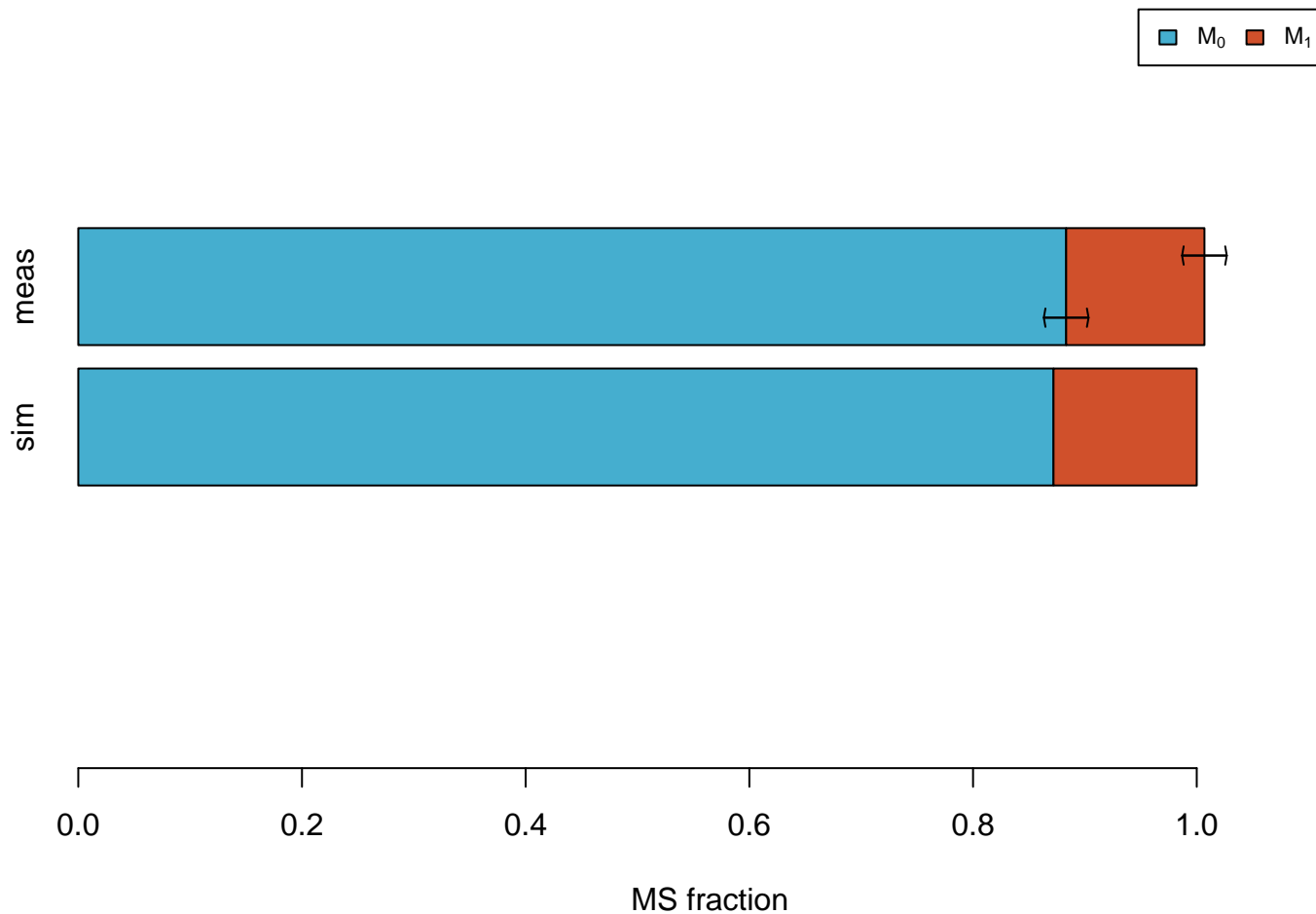
Glu #01111



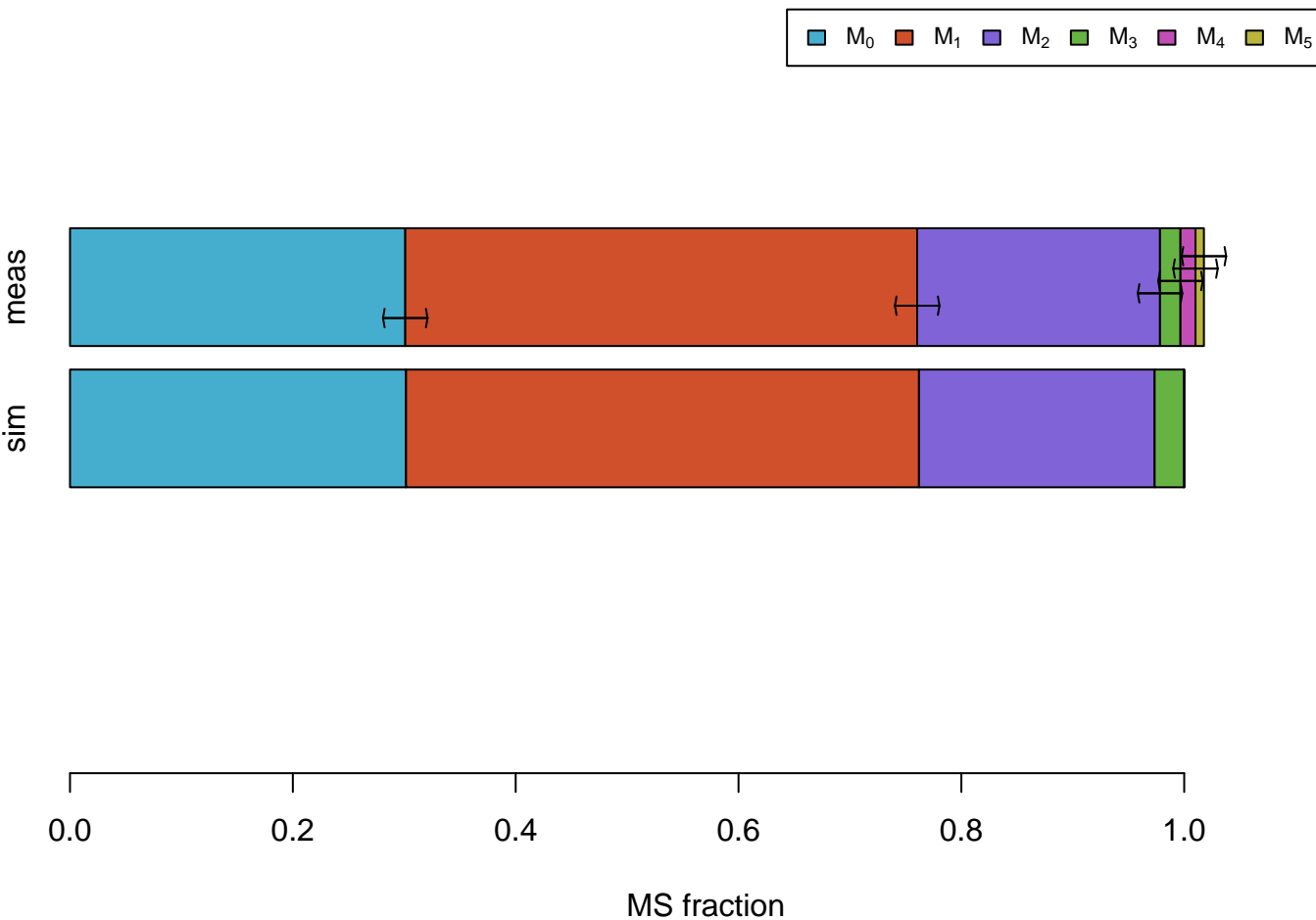
Gly



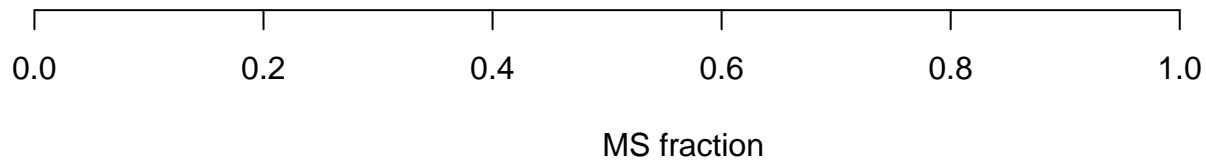
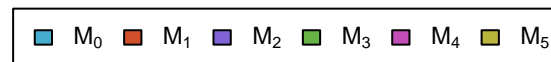
Gly #01



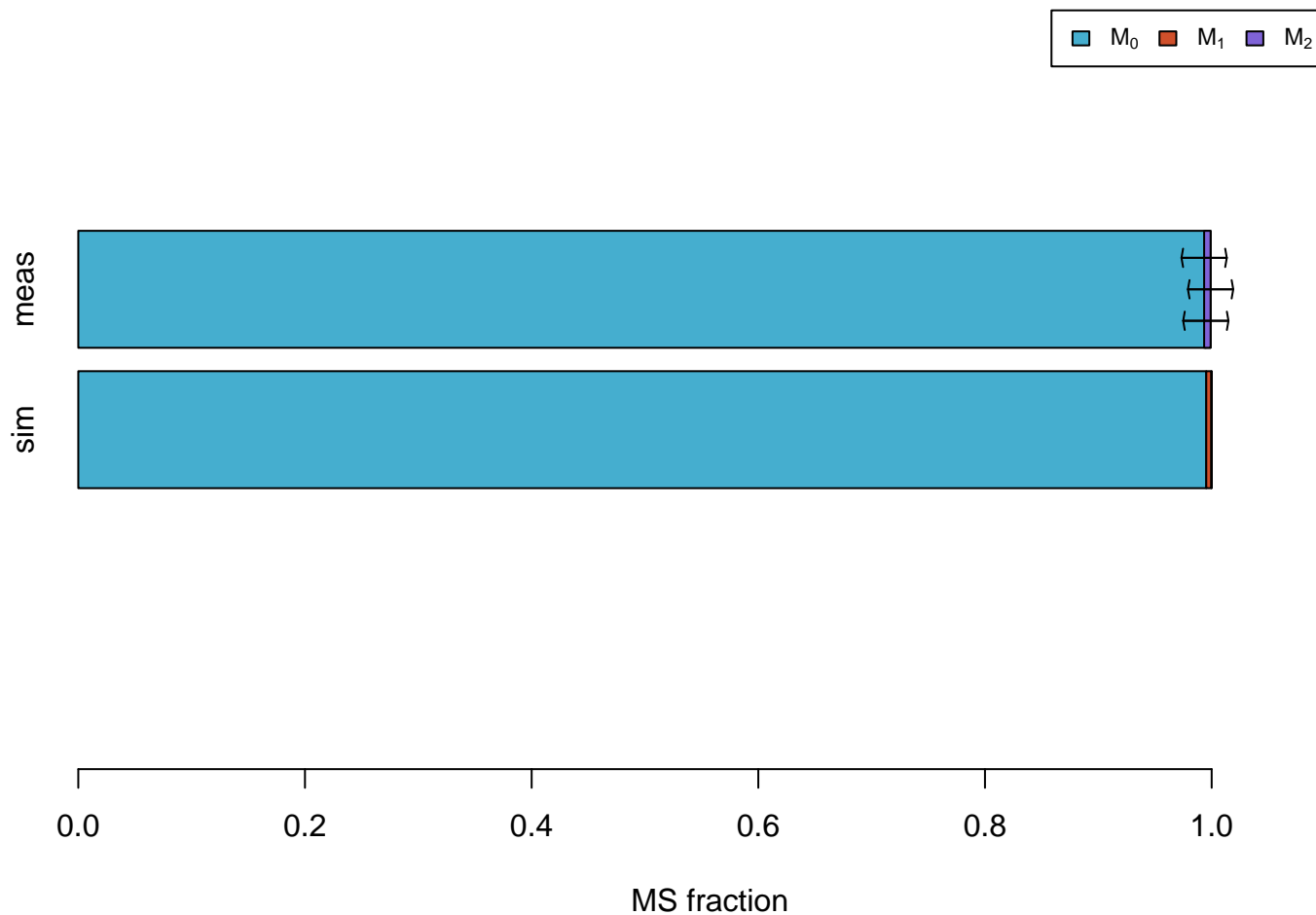
Ile #011111



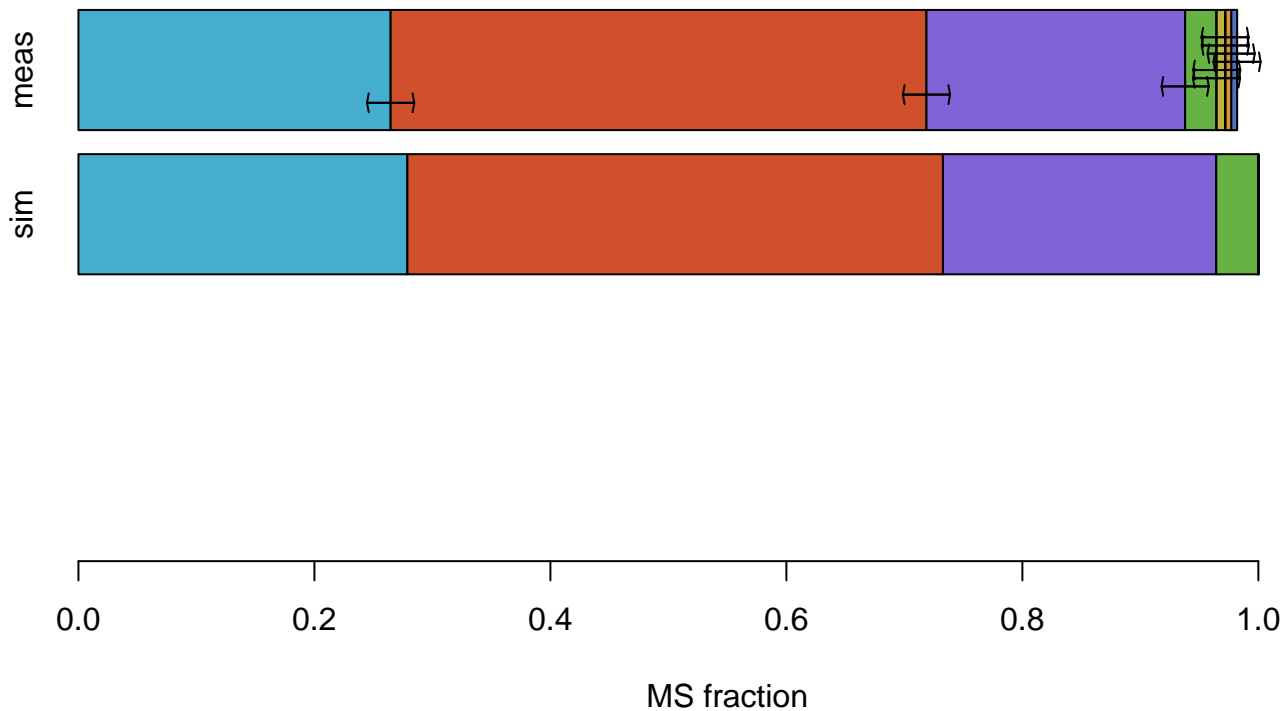
Leu #011111



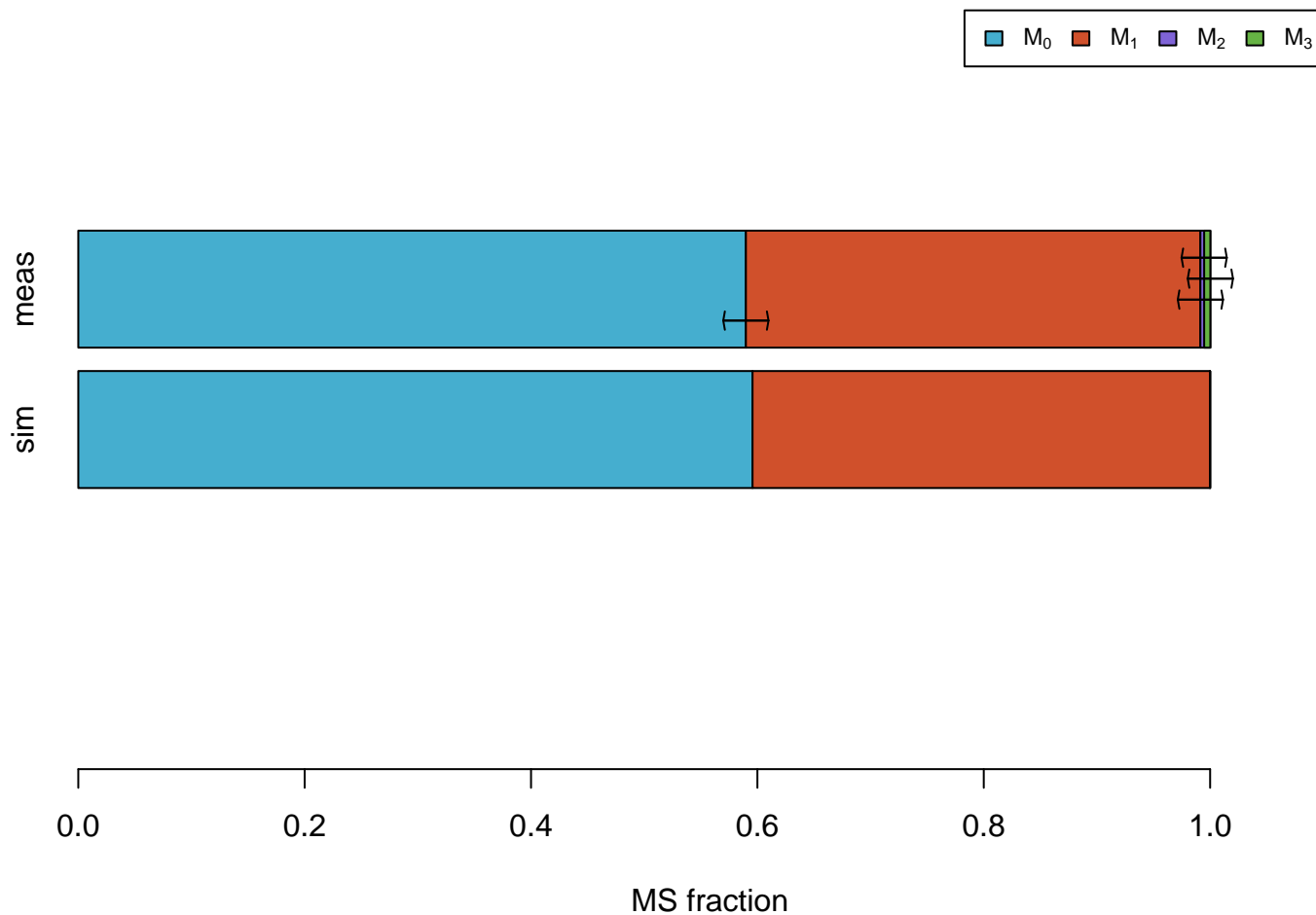
Phe #110000000



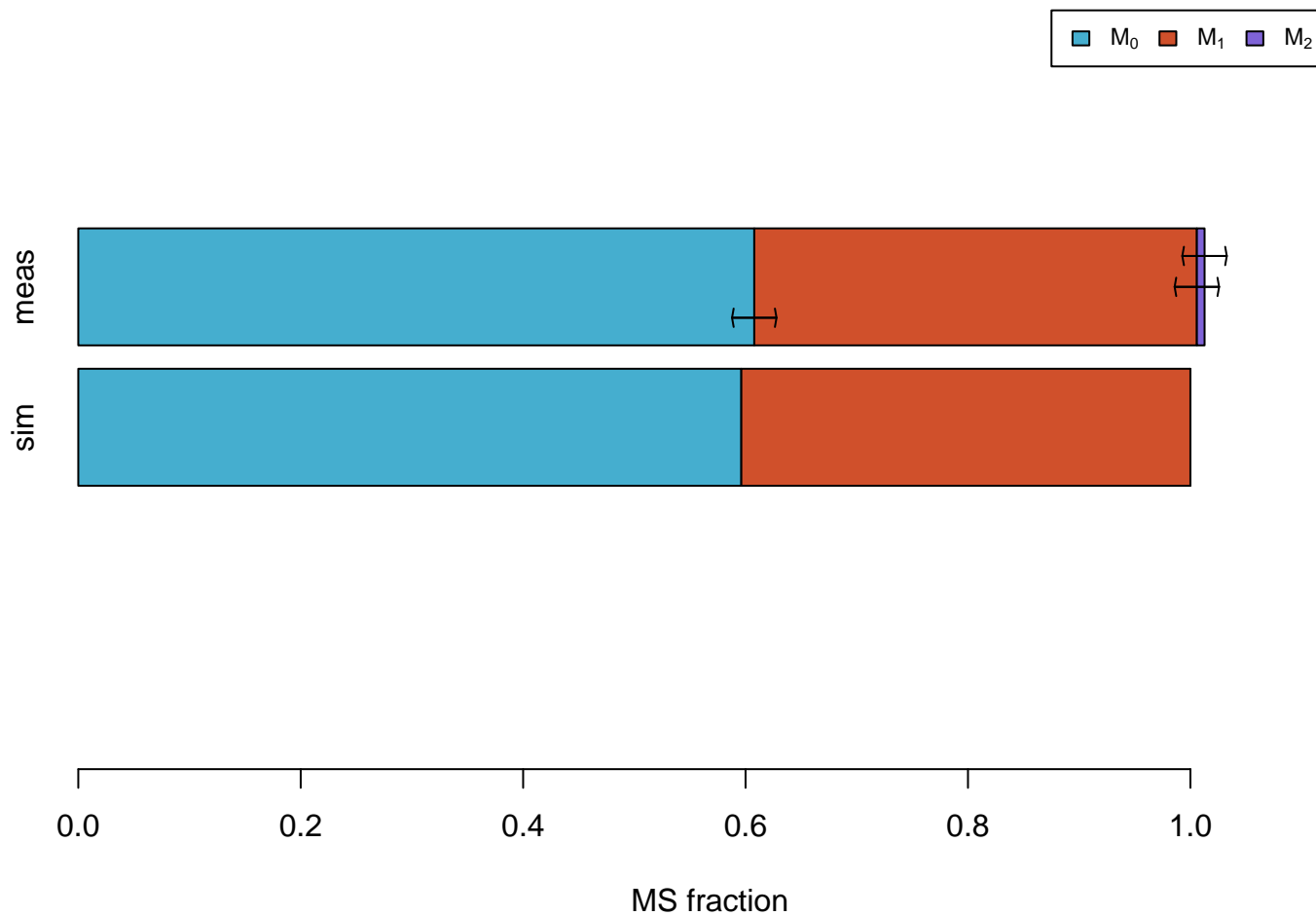
Phe #011111111



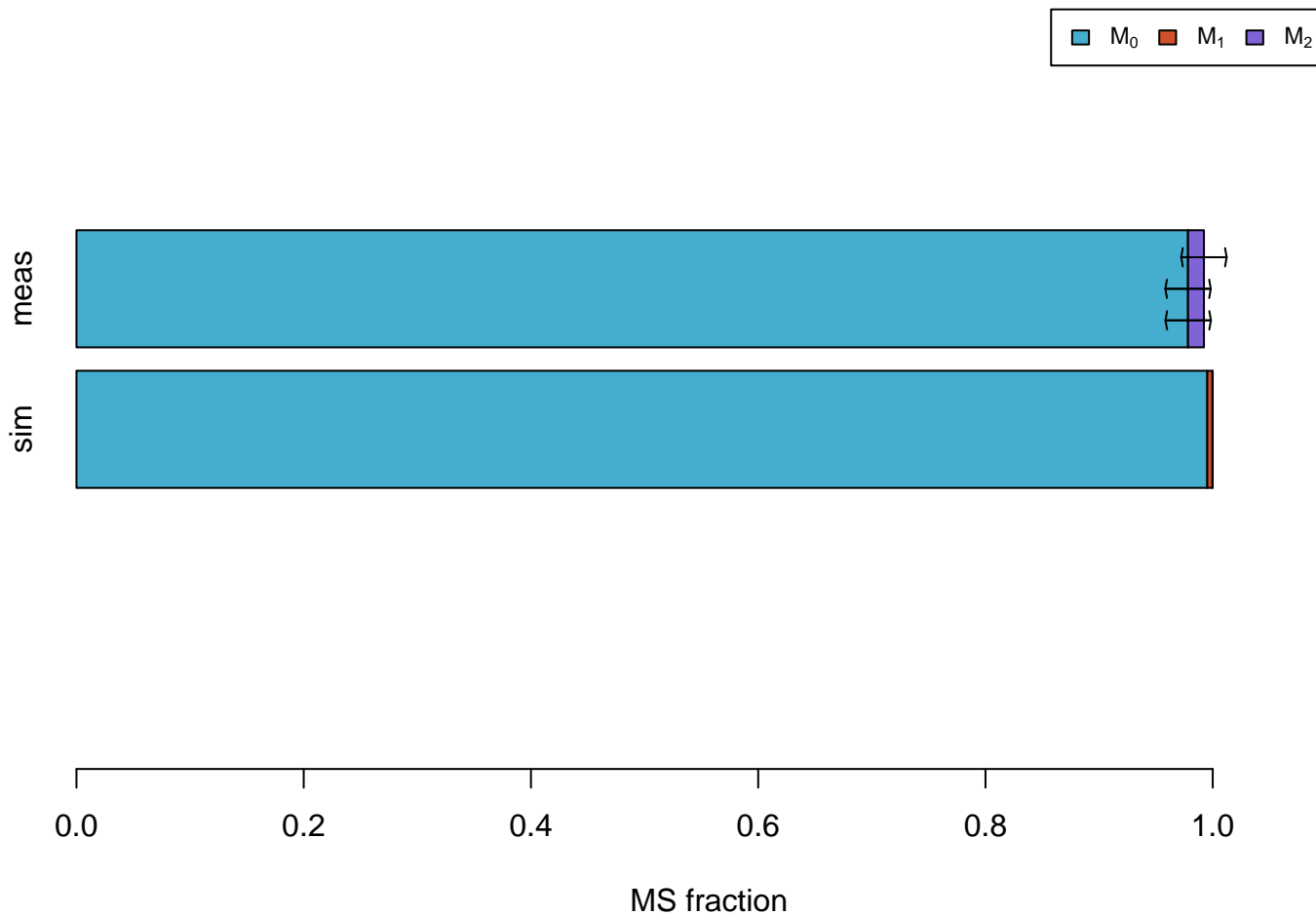
Ser



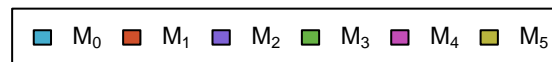
Ser #011



Tyr #110000000

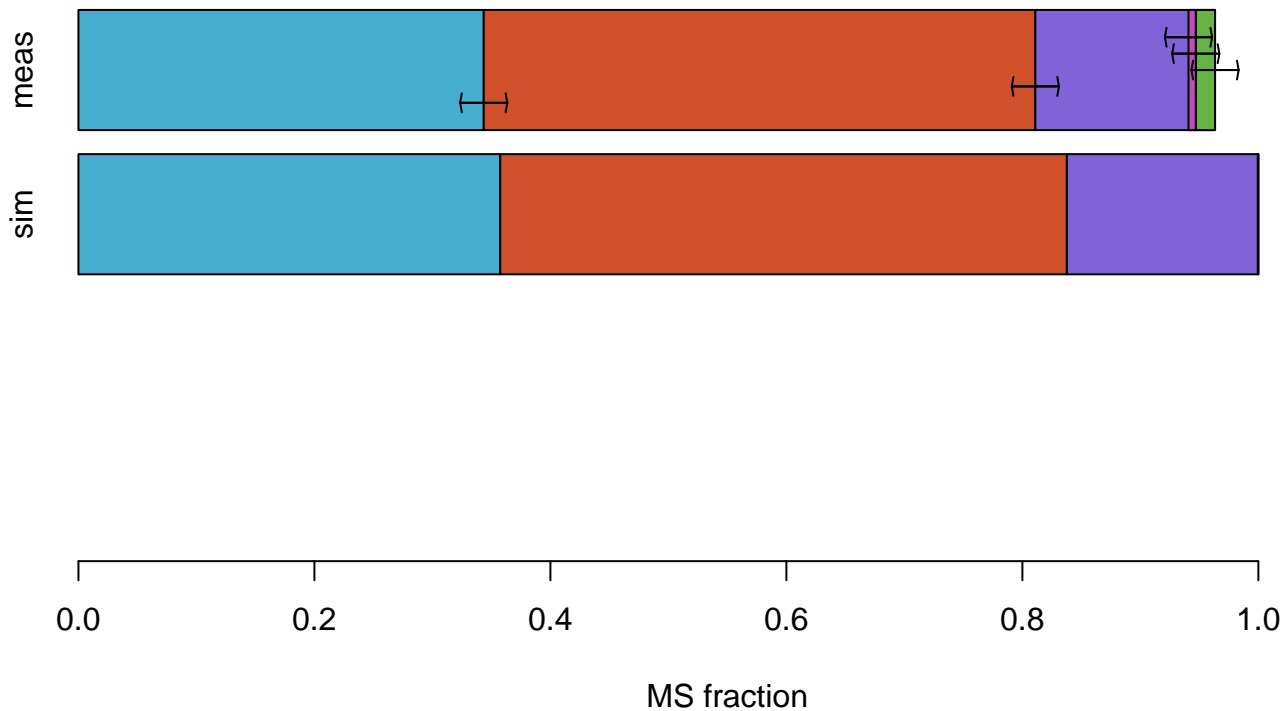


Val



MS fraction

Val #01111



MS simulations

3PG



MS fraction

Ac



sim



MS fraction

AcCoA

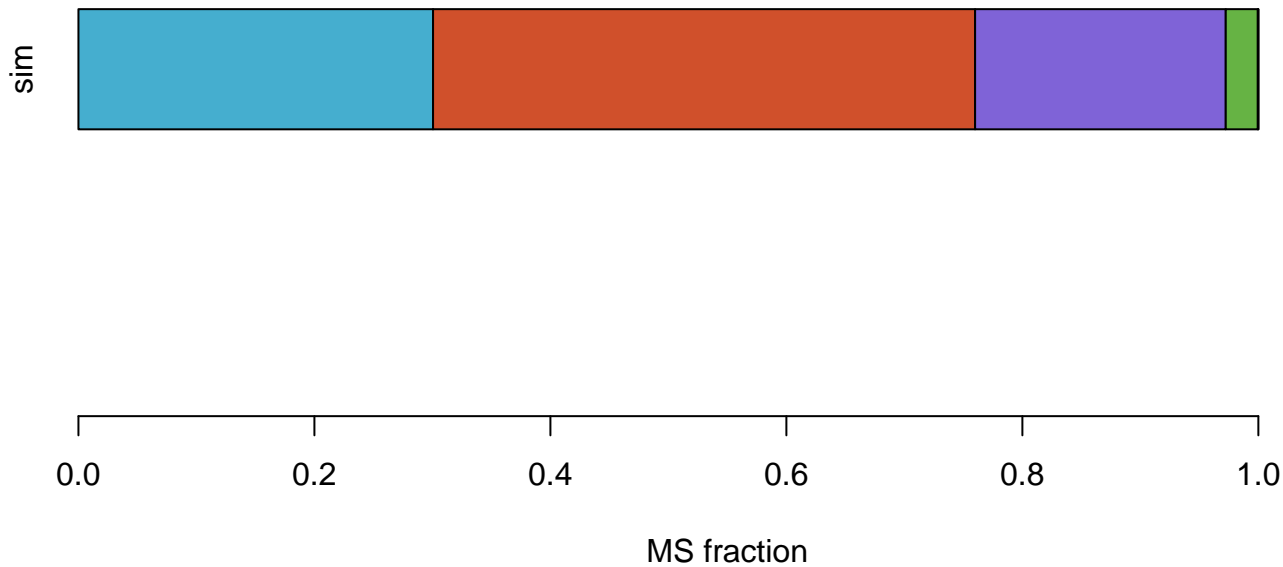
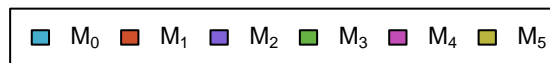


sim



MS fraction

AKG



Asn

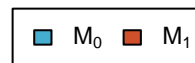


sim



MS fraction

CO2



sim



MS fraction

Cys



MS fraction

DHAP



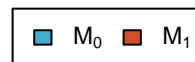
MS fraction

E4P



MS fraction

FTHF



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Fum



sim



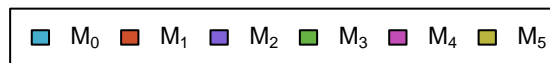
MS fraction

GAP



MS fraction

Gln



sim



0.0

0.2

0.4

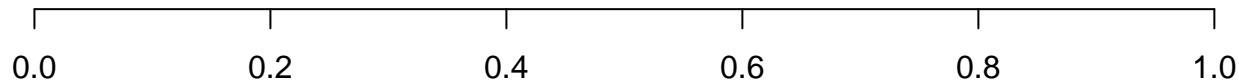
0.6

0.8

1.0

MS fraction

Glyox



MS fraction

Mal

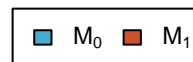


sim



MS fraction

MEETHF



sim



0.0

0.2

0.4

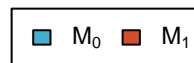
0.6

0.8

1.0

MS fraction

METHF



sim



MS fraction

OAC



MS fraction

PEP

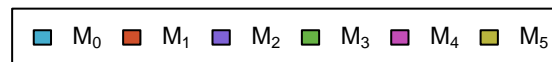


sim



MS fraction

Pro



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Pyr



sim



MS fraction

Suc



MS fraction

SucCoA



MS fraction

TA-C3



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction