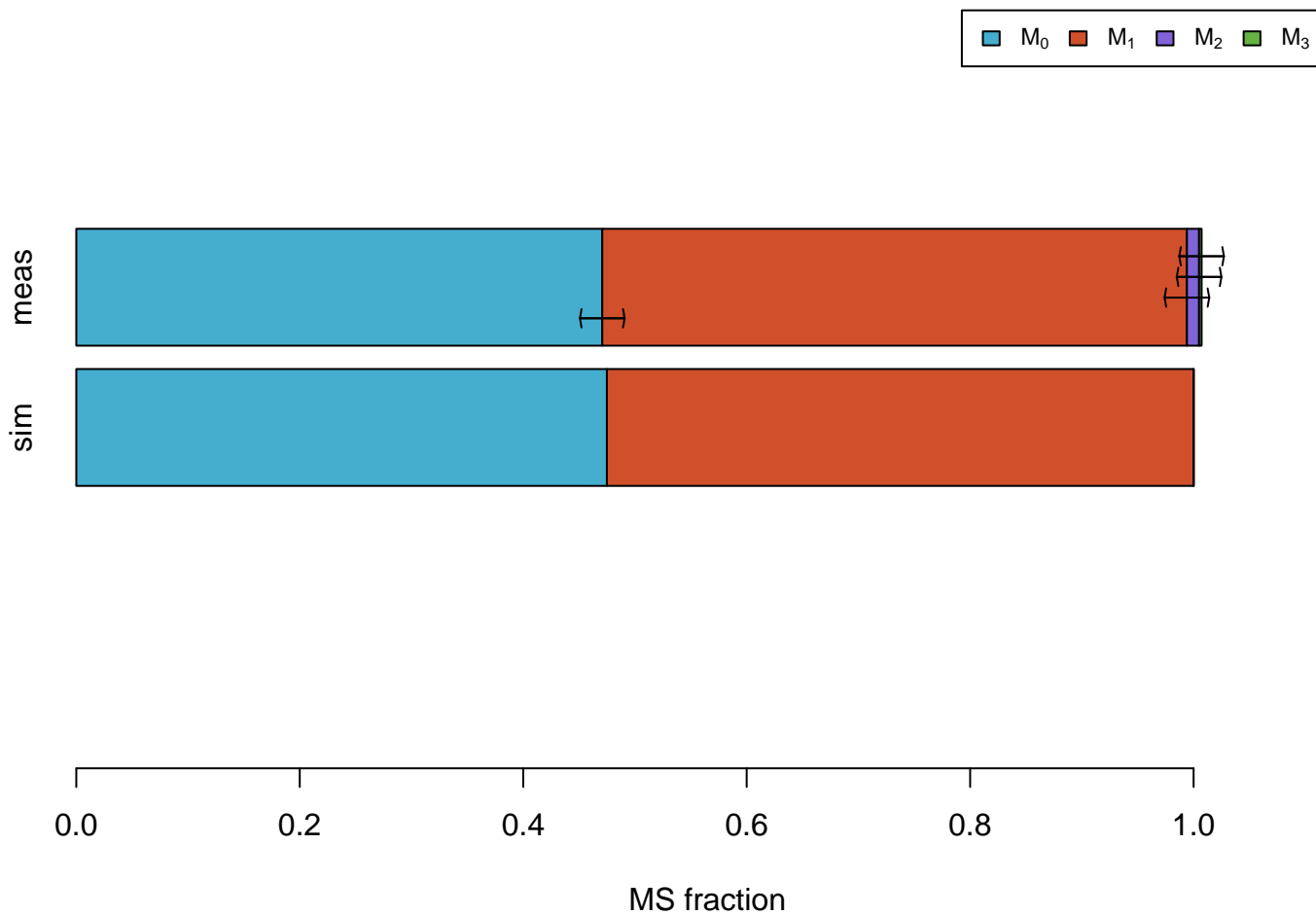
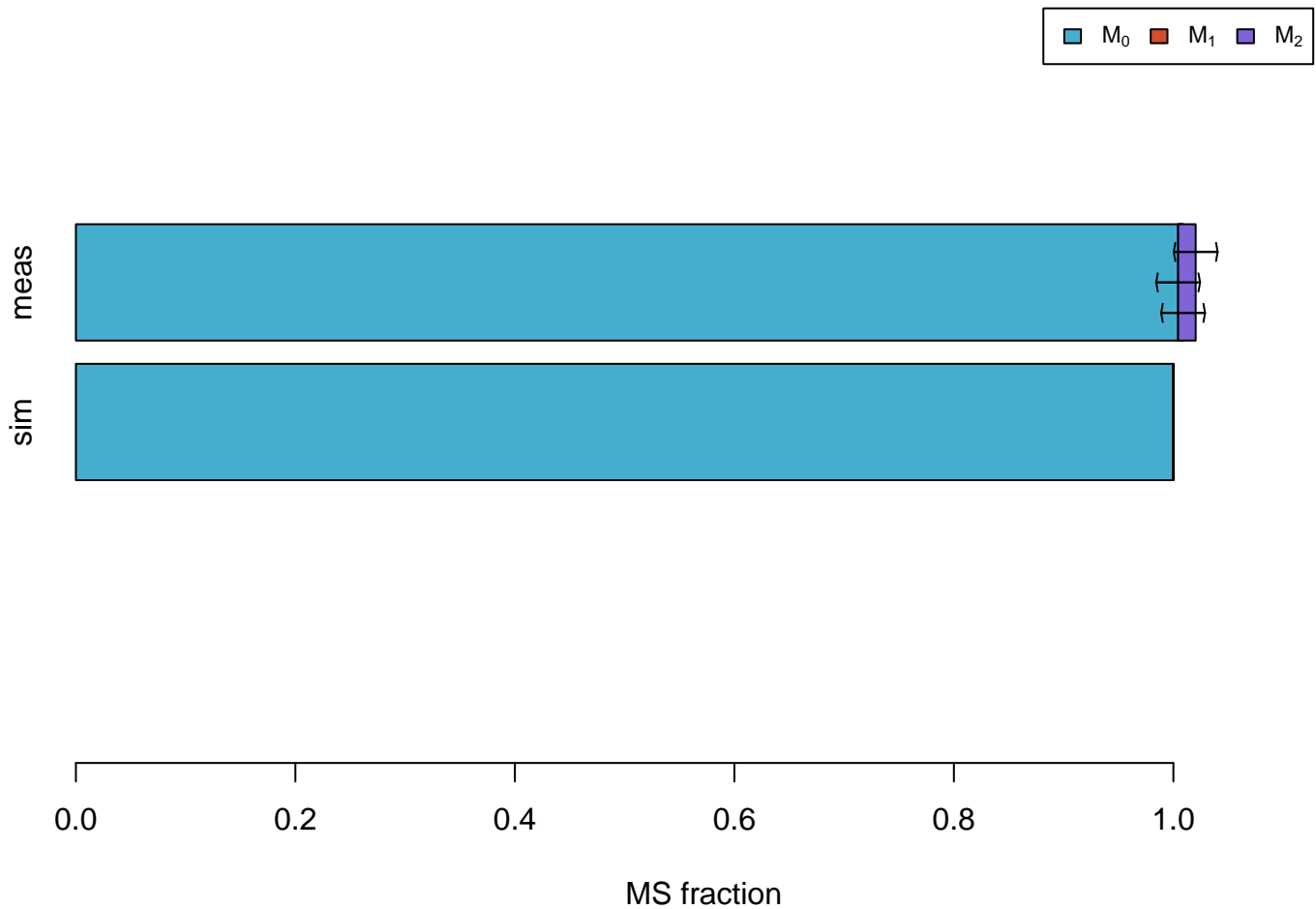


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

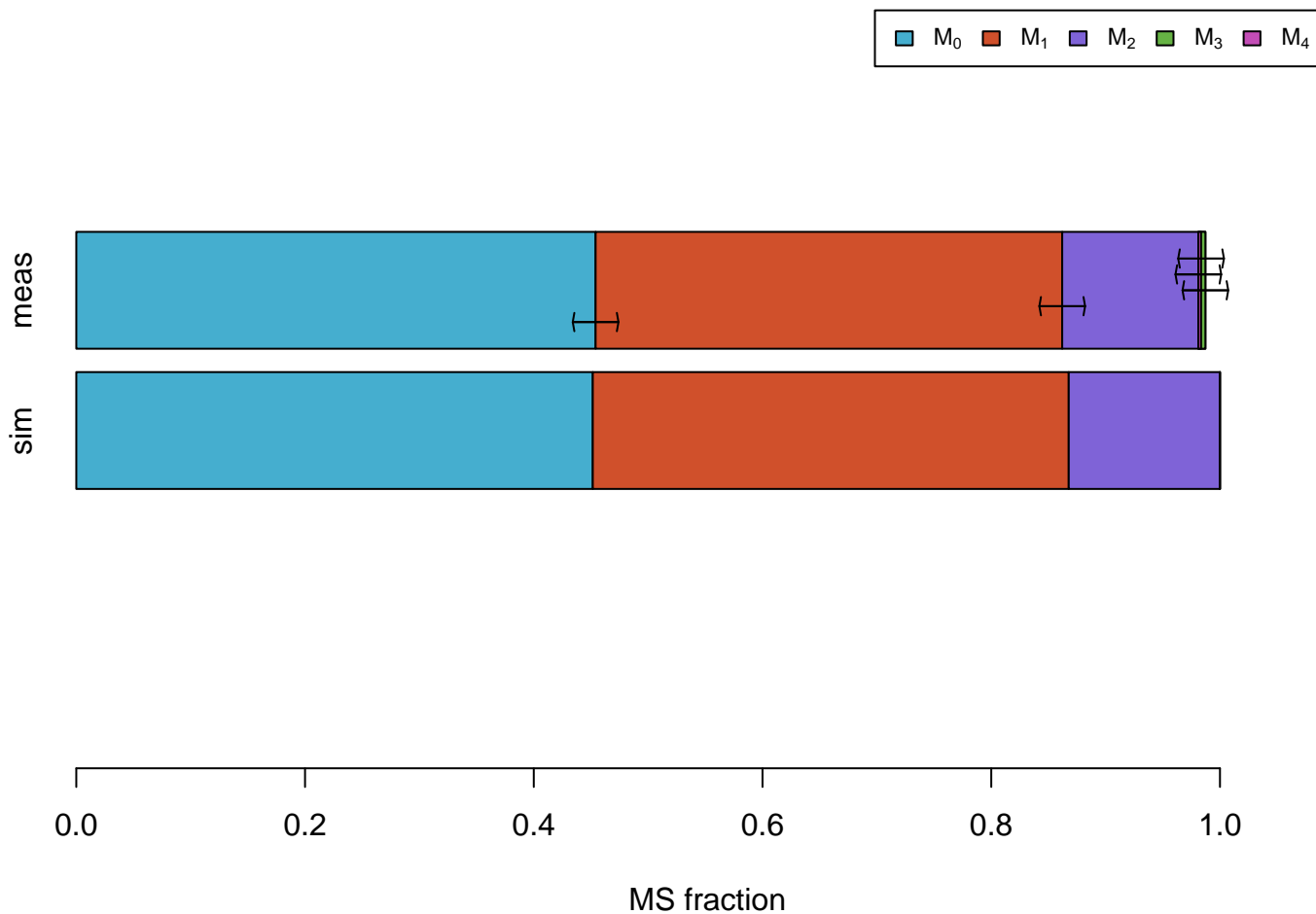
Ala



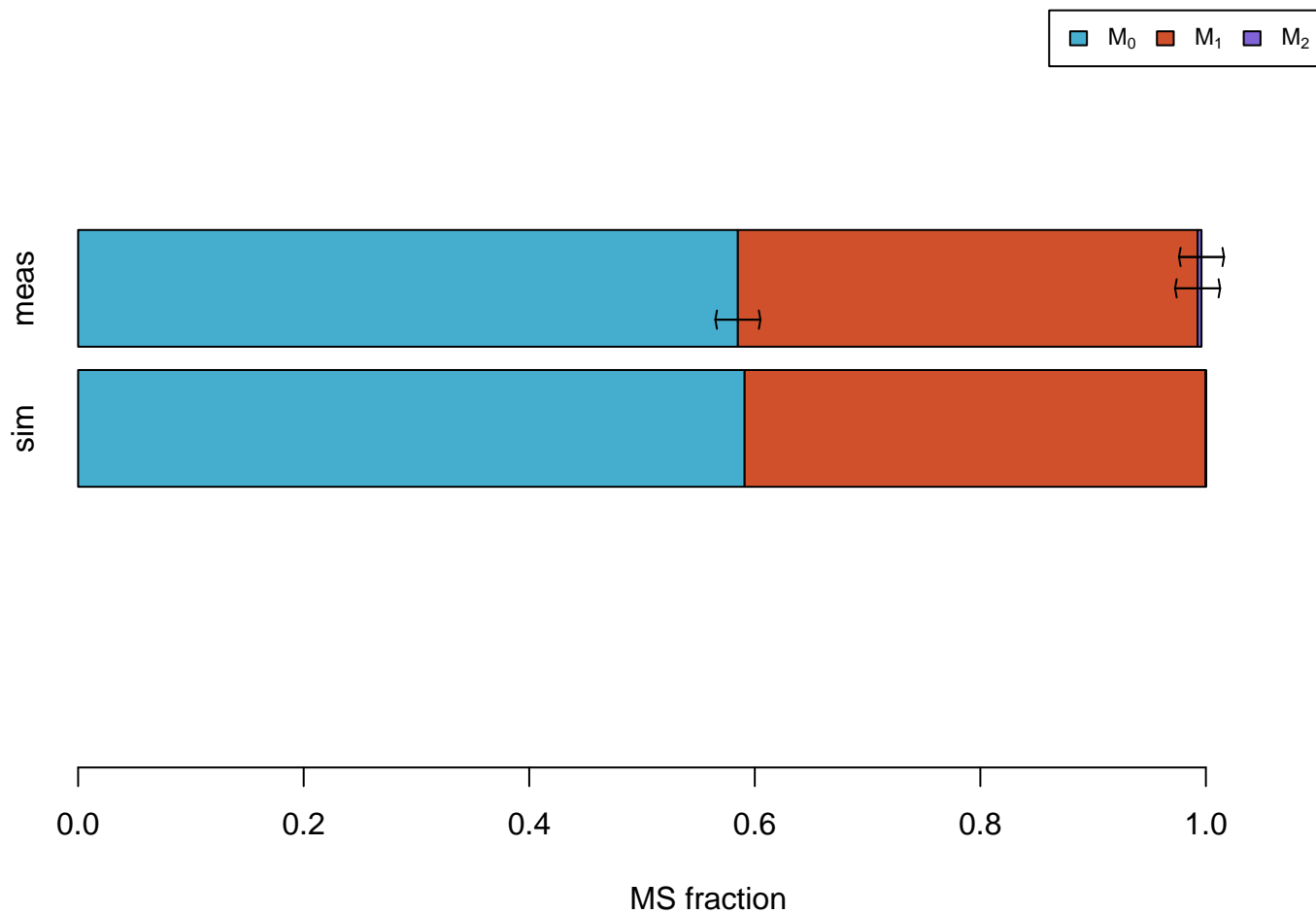
Ala #011



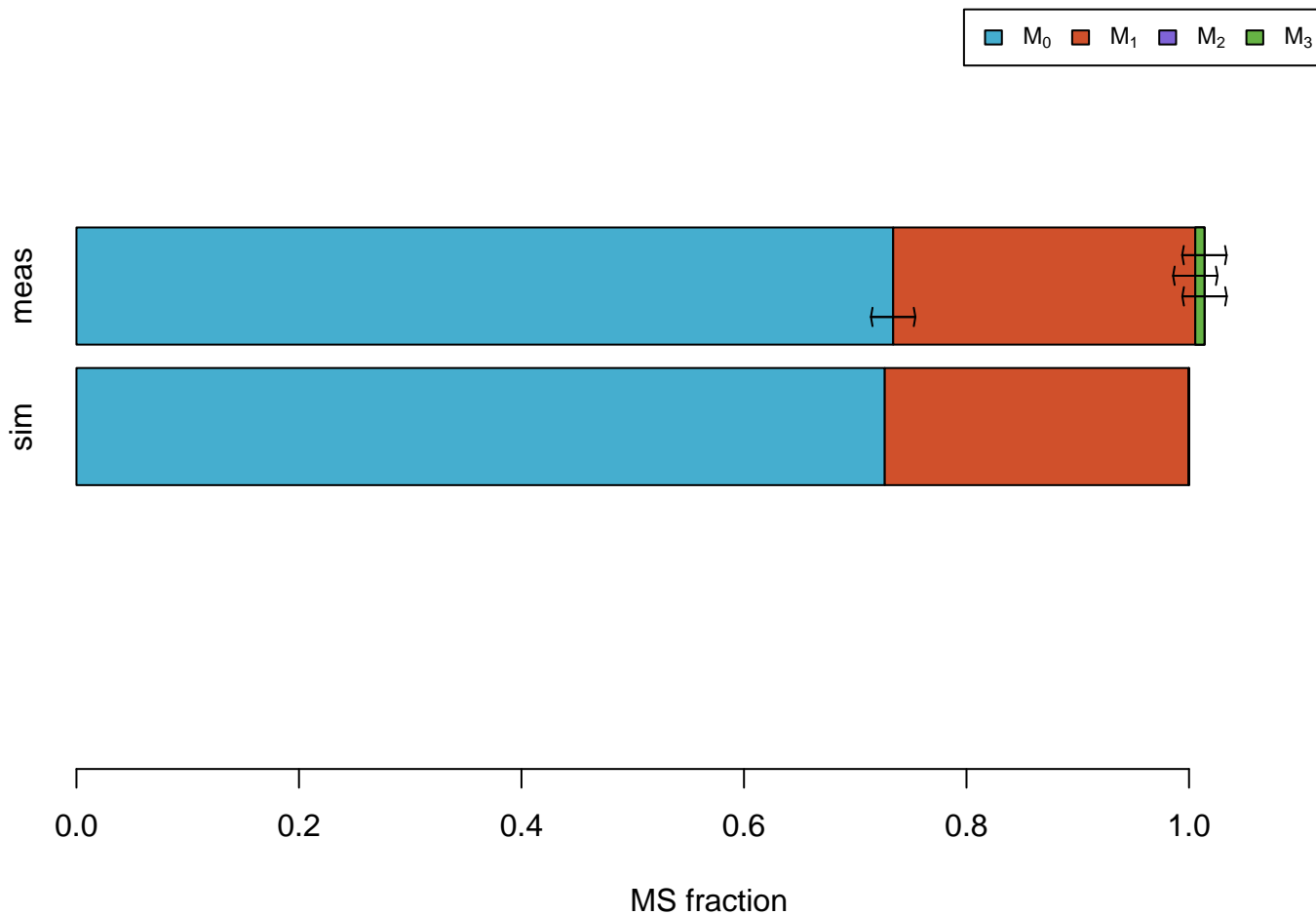
Asp



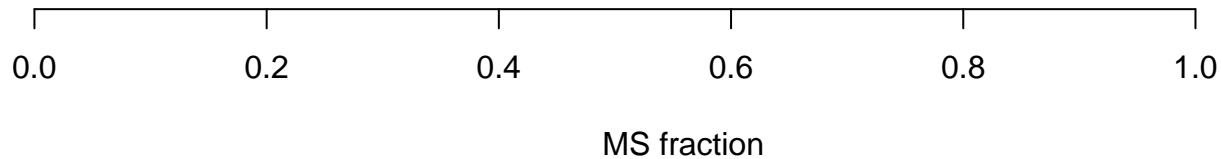
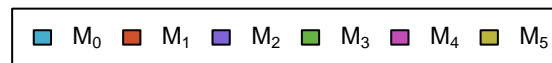
Asp #1100



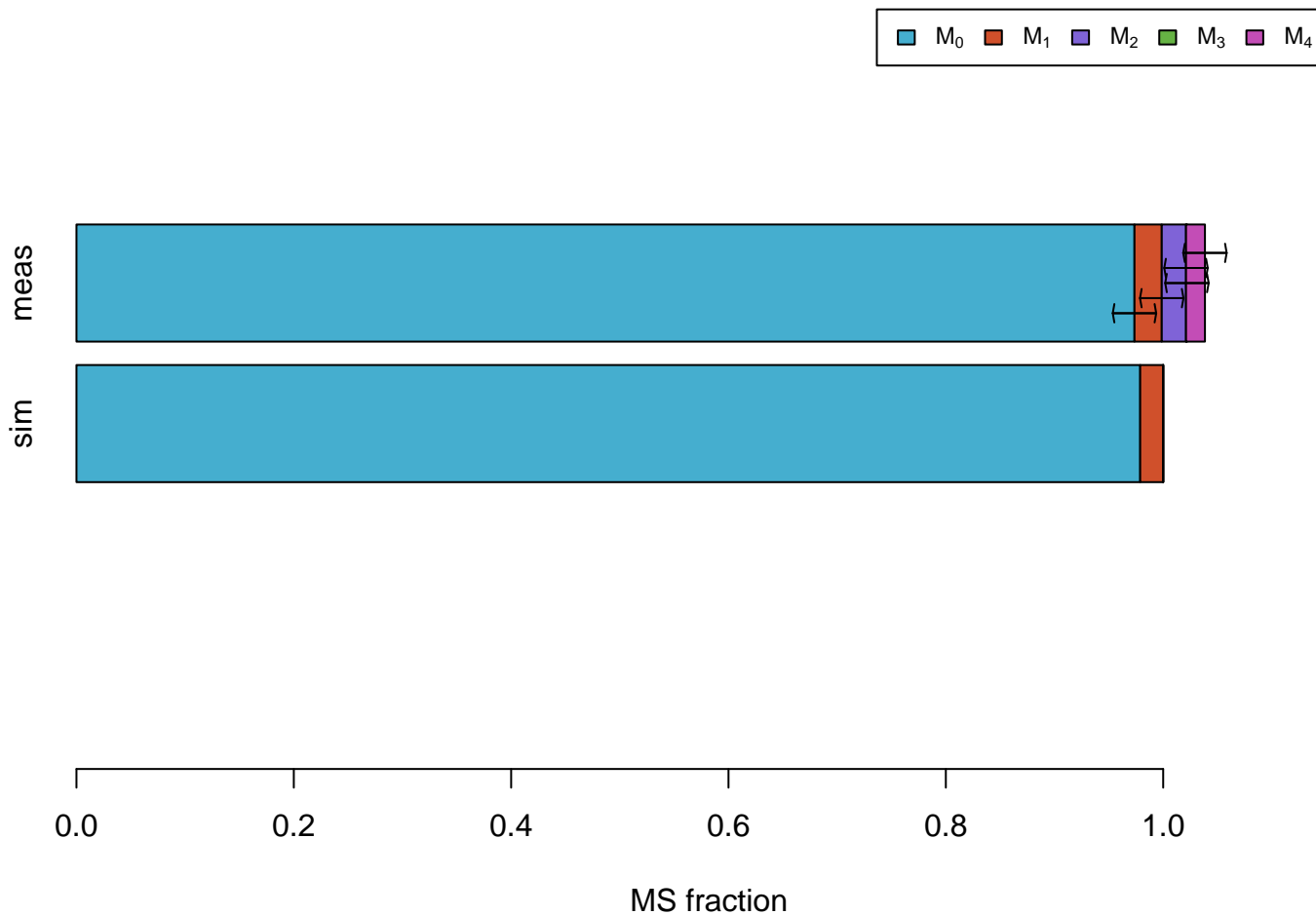
Asp #0111



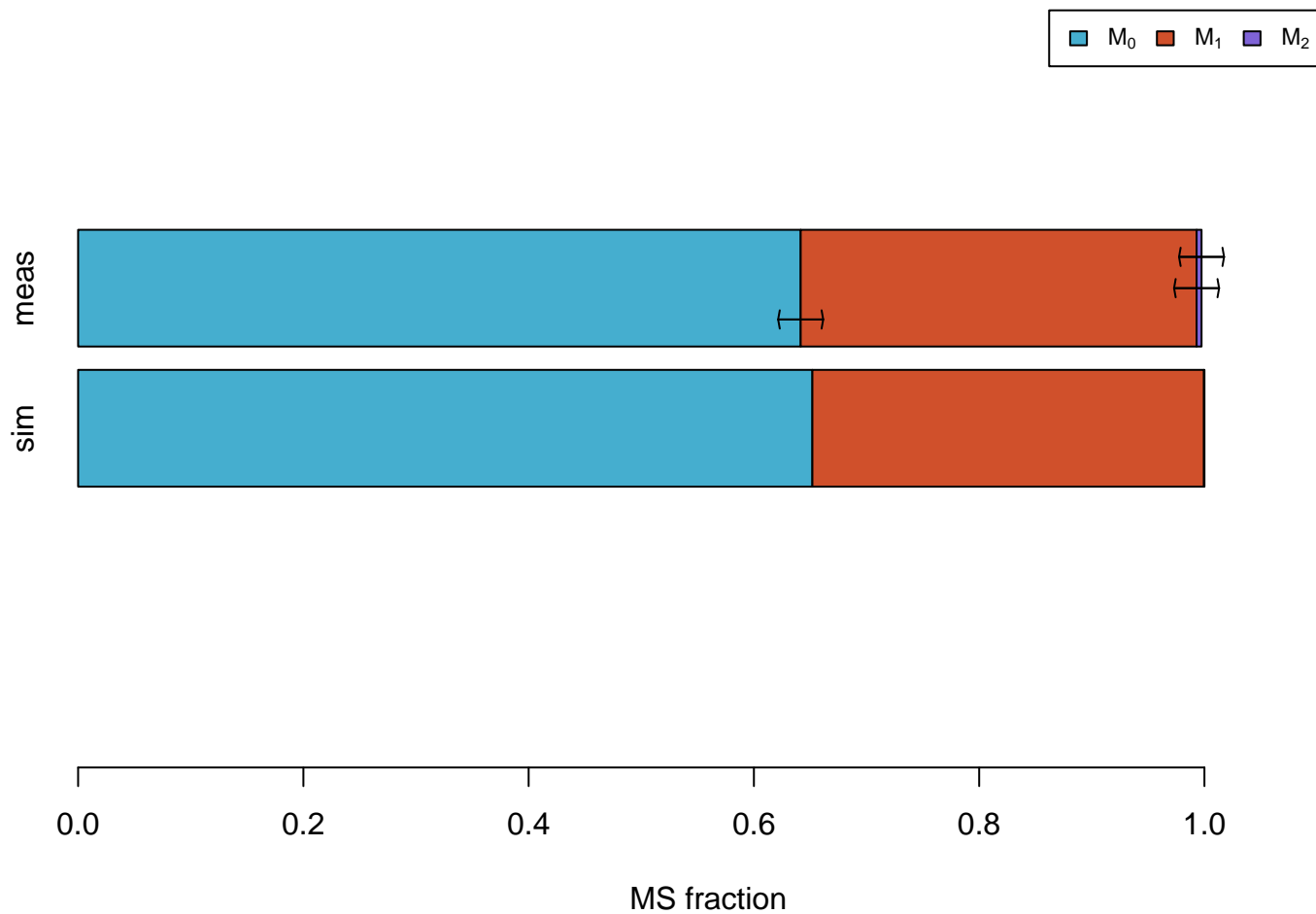
Glu



Glu #01111



Gly

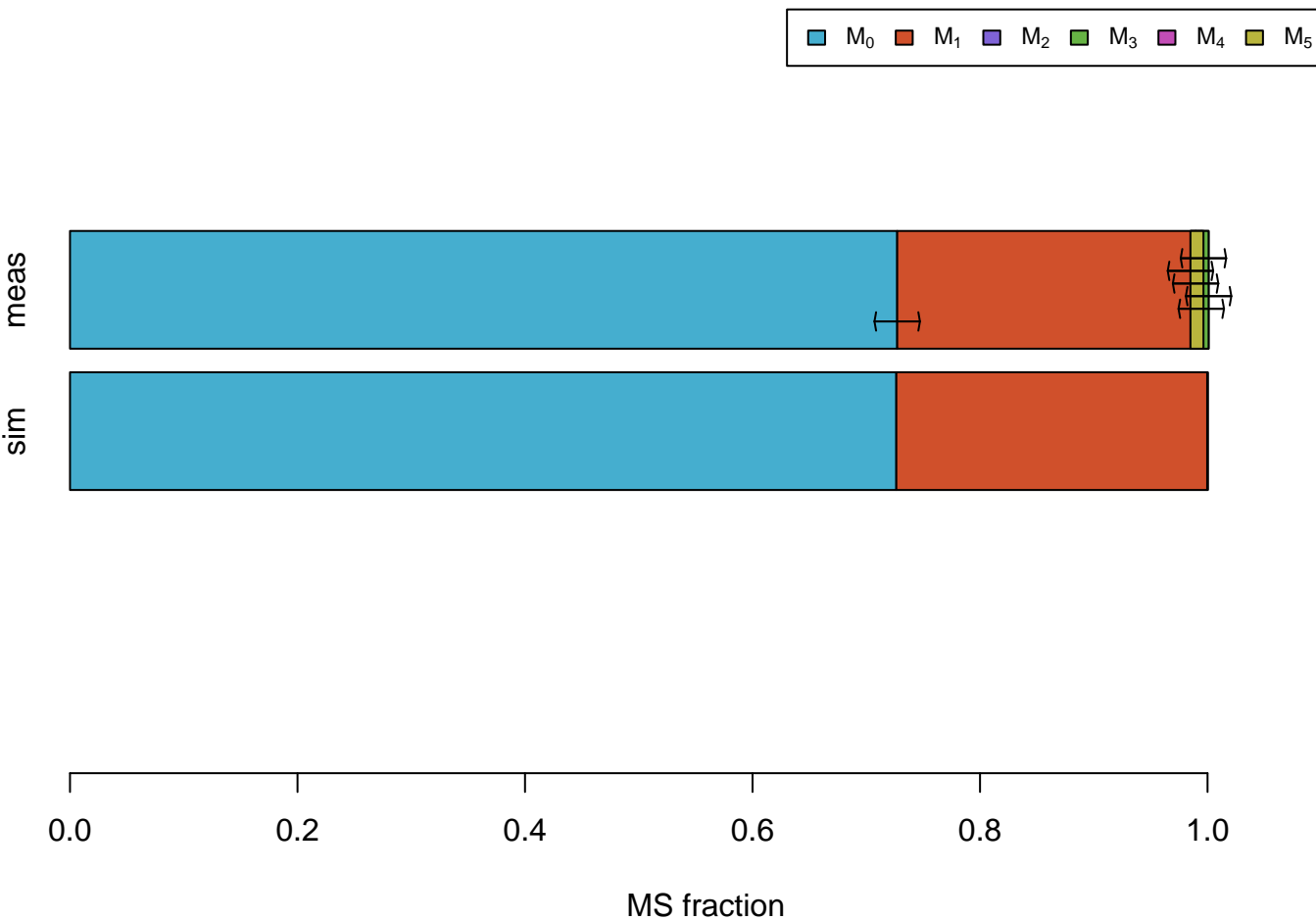


Gly #01

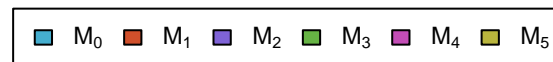


MS fraction

Ile #011111

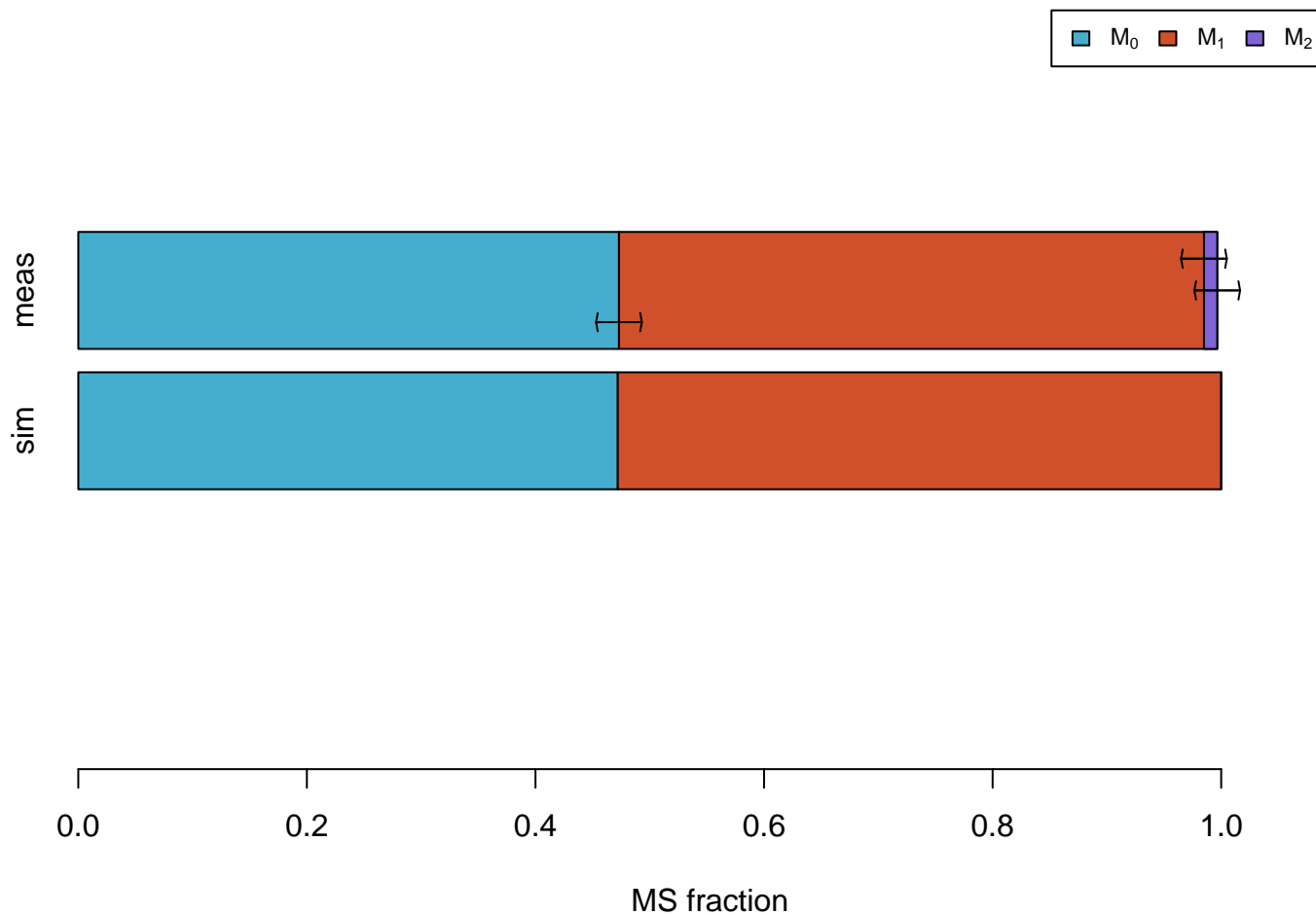


Leu #011111

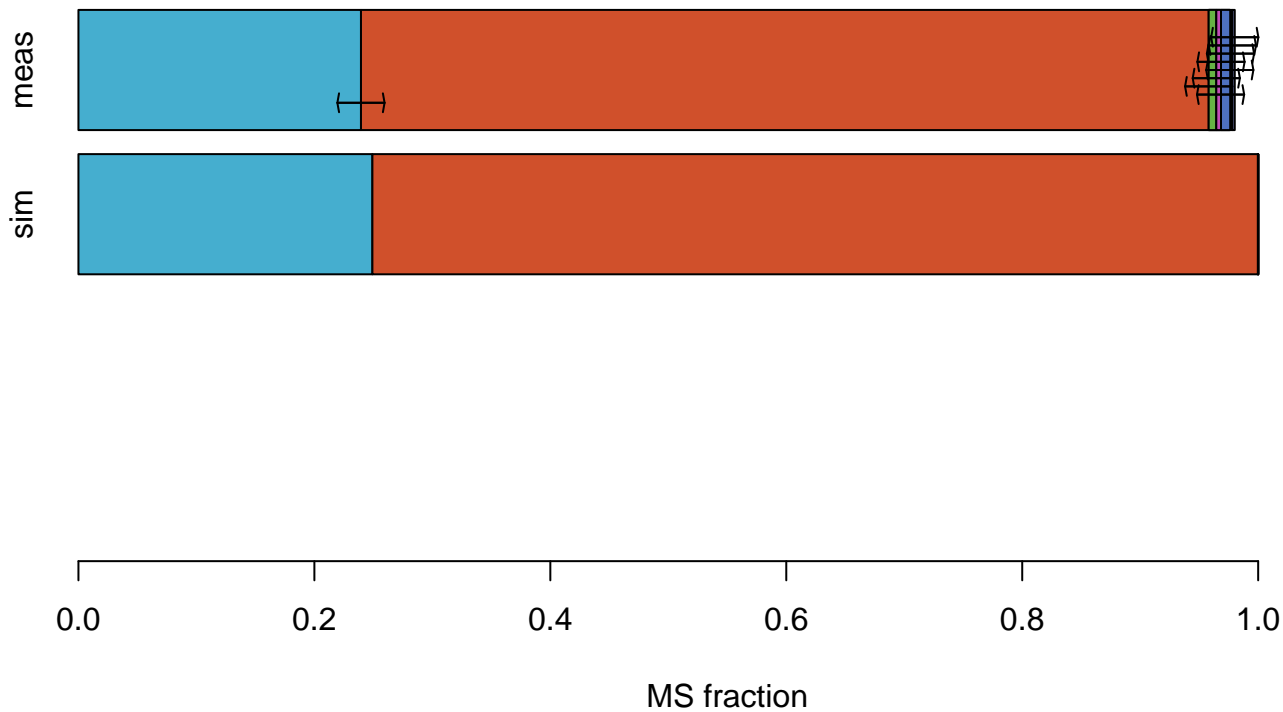


MS fraction

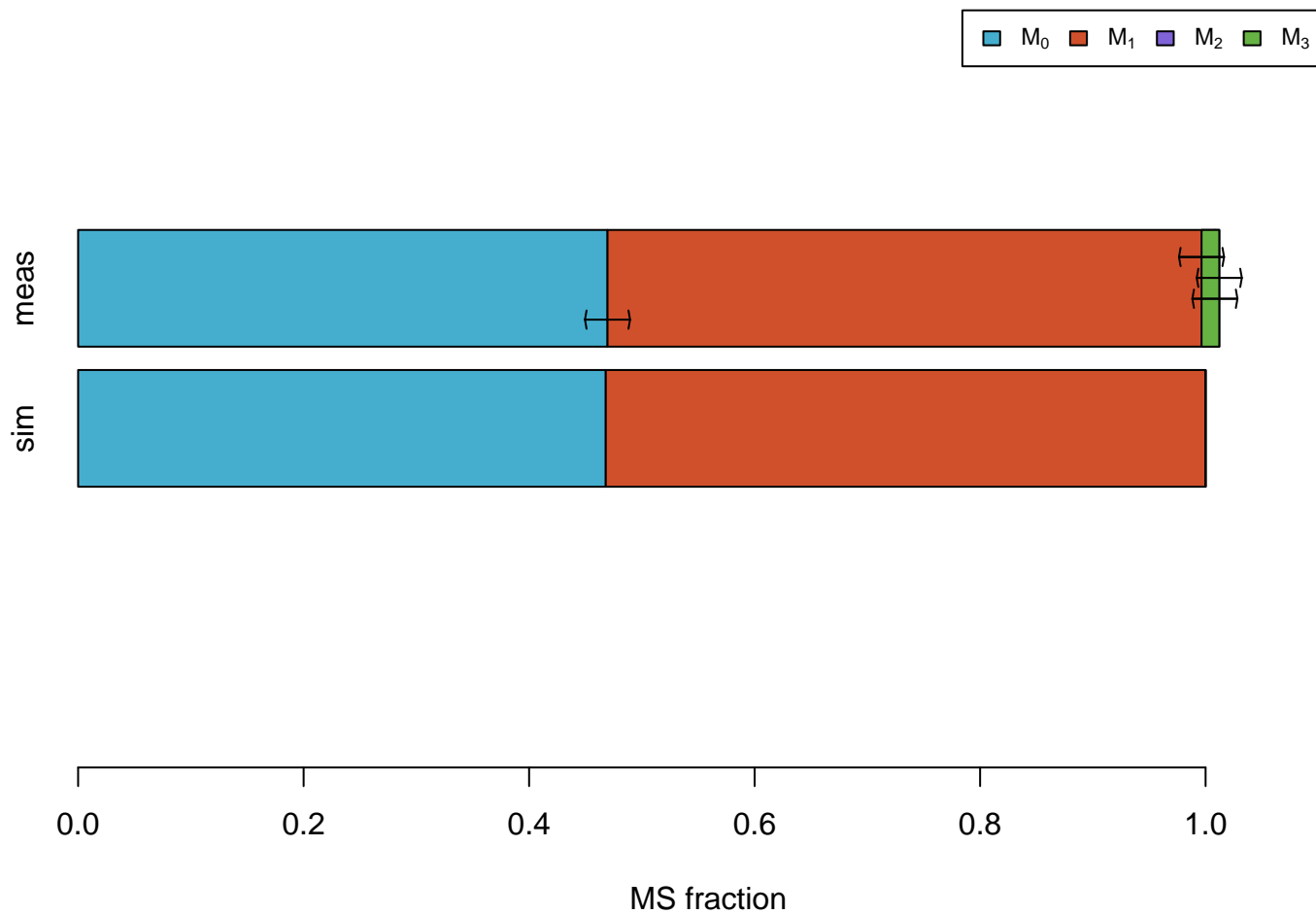
Phe #110000000



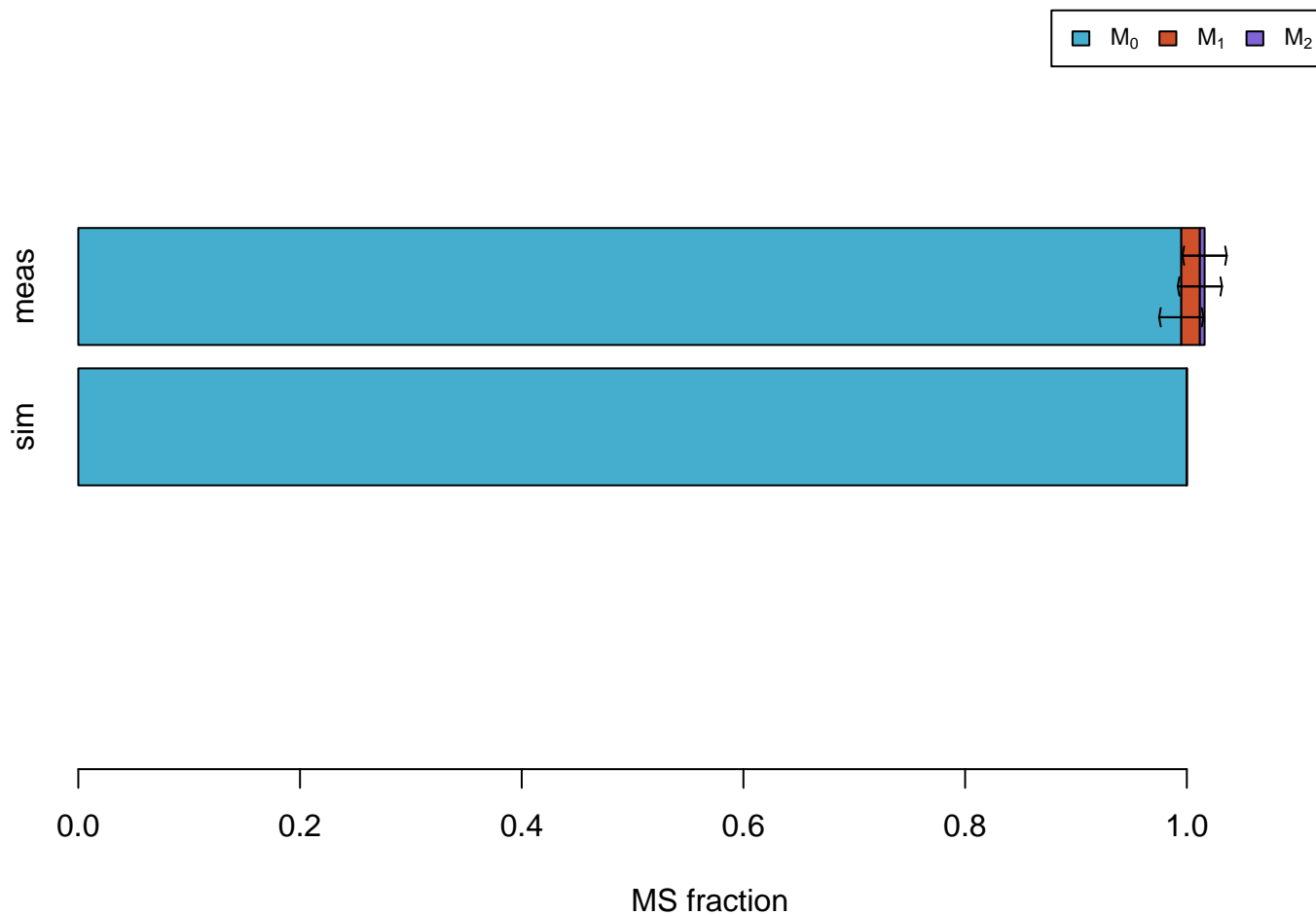
Phe #011111111



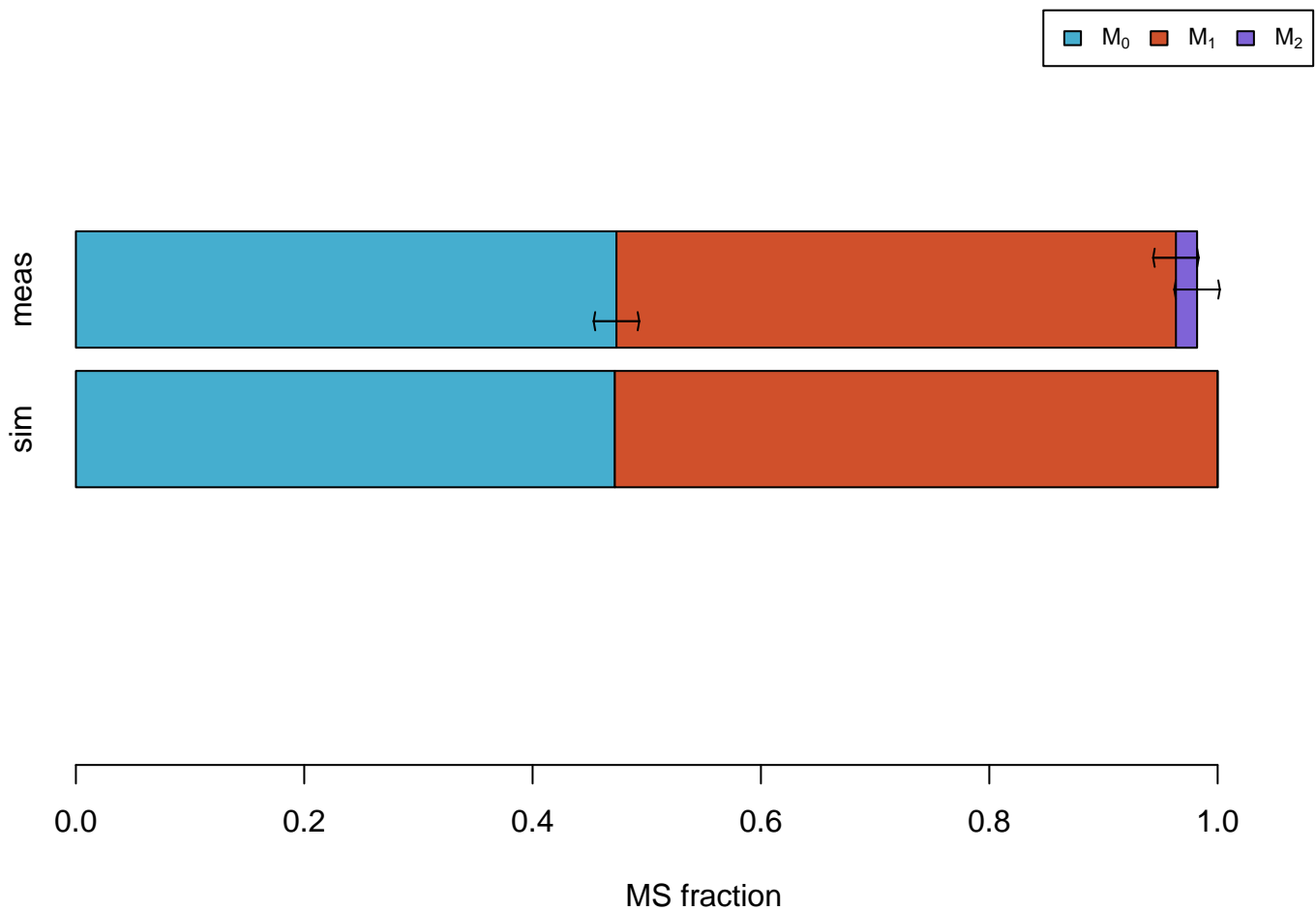
Ser



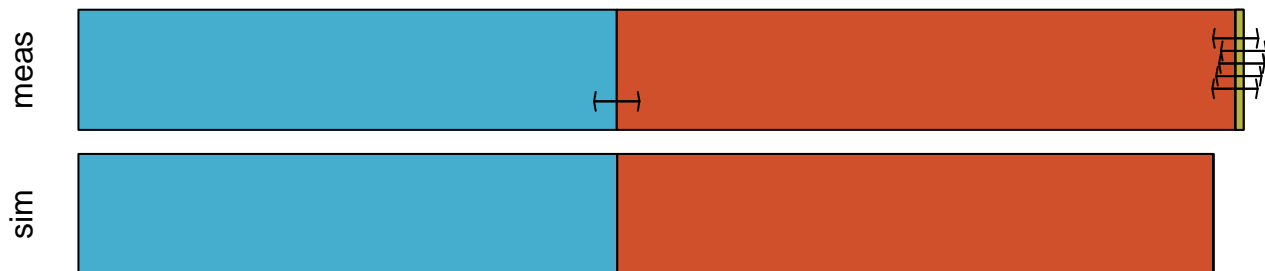
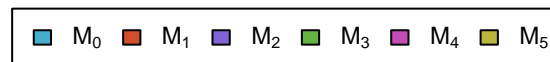
Ser #011



Tyr #110000000

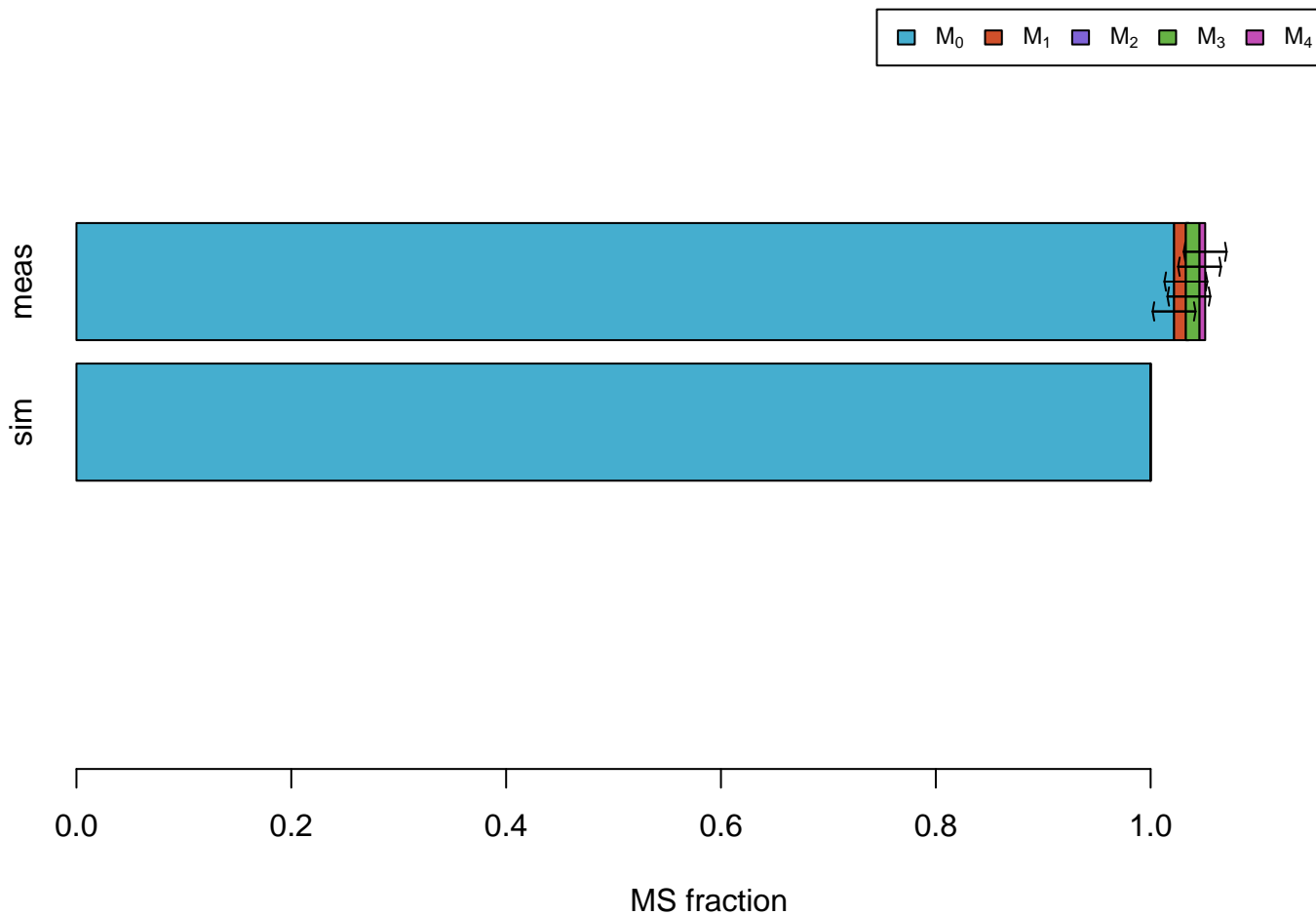


Val



MS fraction

Val #01111



MS simulations

3PG



MS fraction

Ac



sim



MS fraction

AcCoA

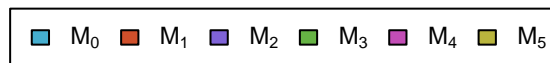


sim



MS fraction

AKG



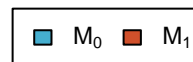
MS fraction

Asn



MS fraction

CO2

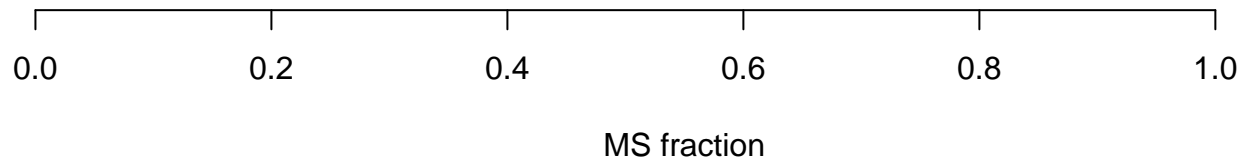


sim



MS fraction

Cys



DHAP



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

E4P



MS fraction

FTHF



sim



MS fraction

Fum



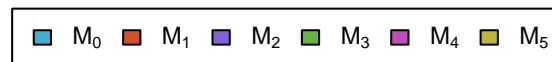
MS fraction

GAP



MS fraction

Gln



MS fraction

Glyox

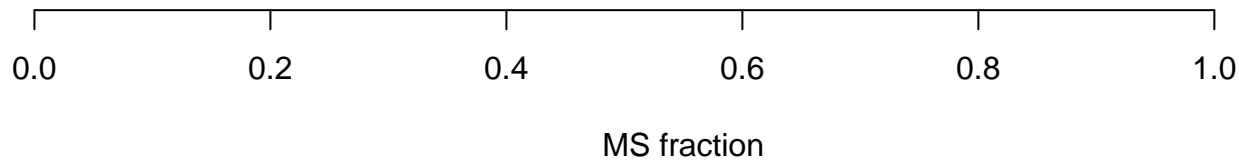


sim



MS fraction

Mal



MEETHF



sim



0.0

0.2

0.4

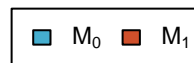
0.6

0.8

1.0

MS fraction

METHF



MS fraction

OAC



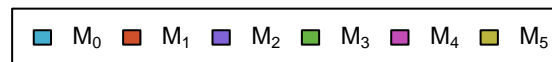
MS fraction

PEP



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



sim



MS fraction

TA-C3



sim



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction