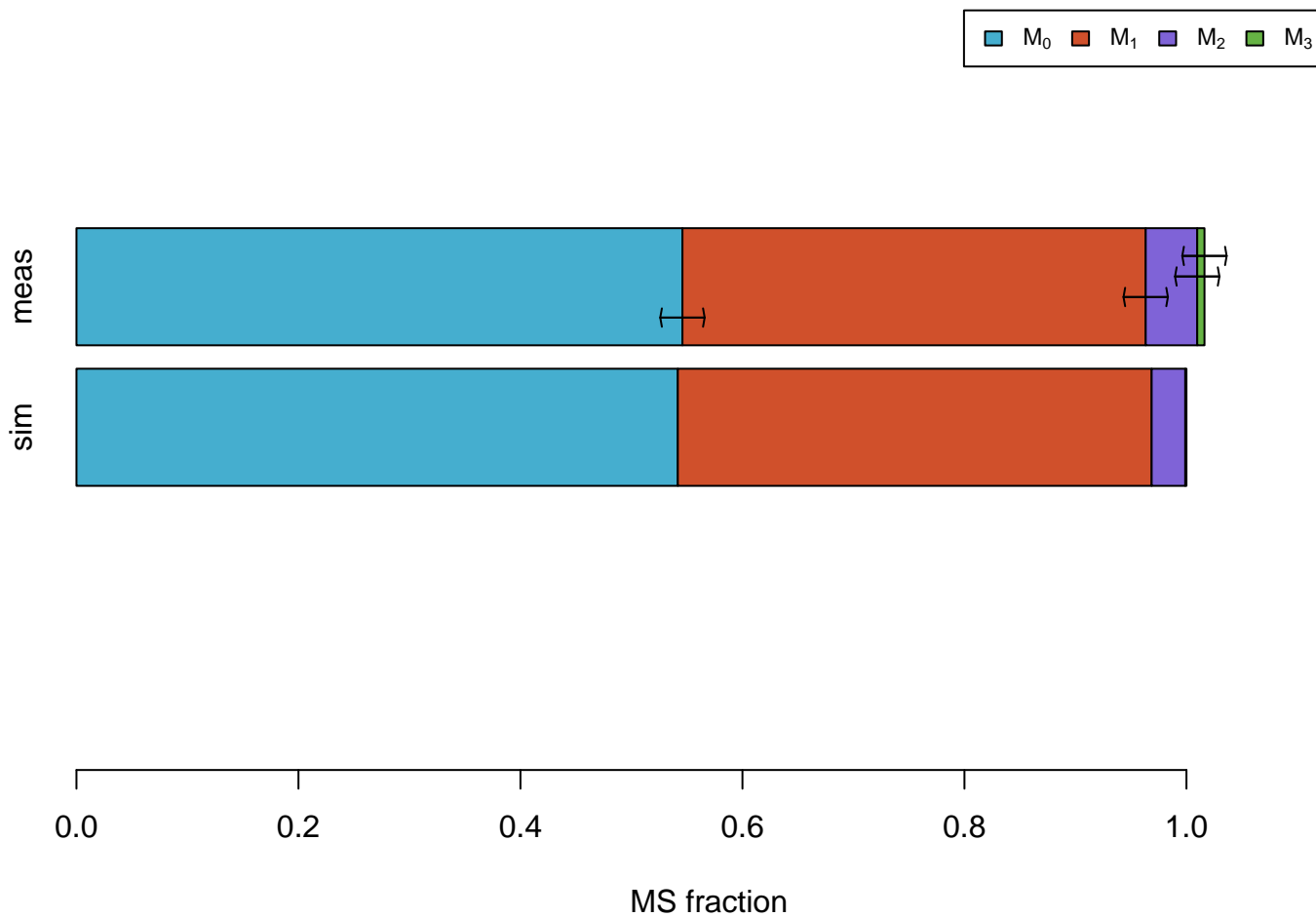
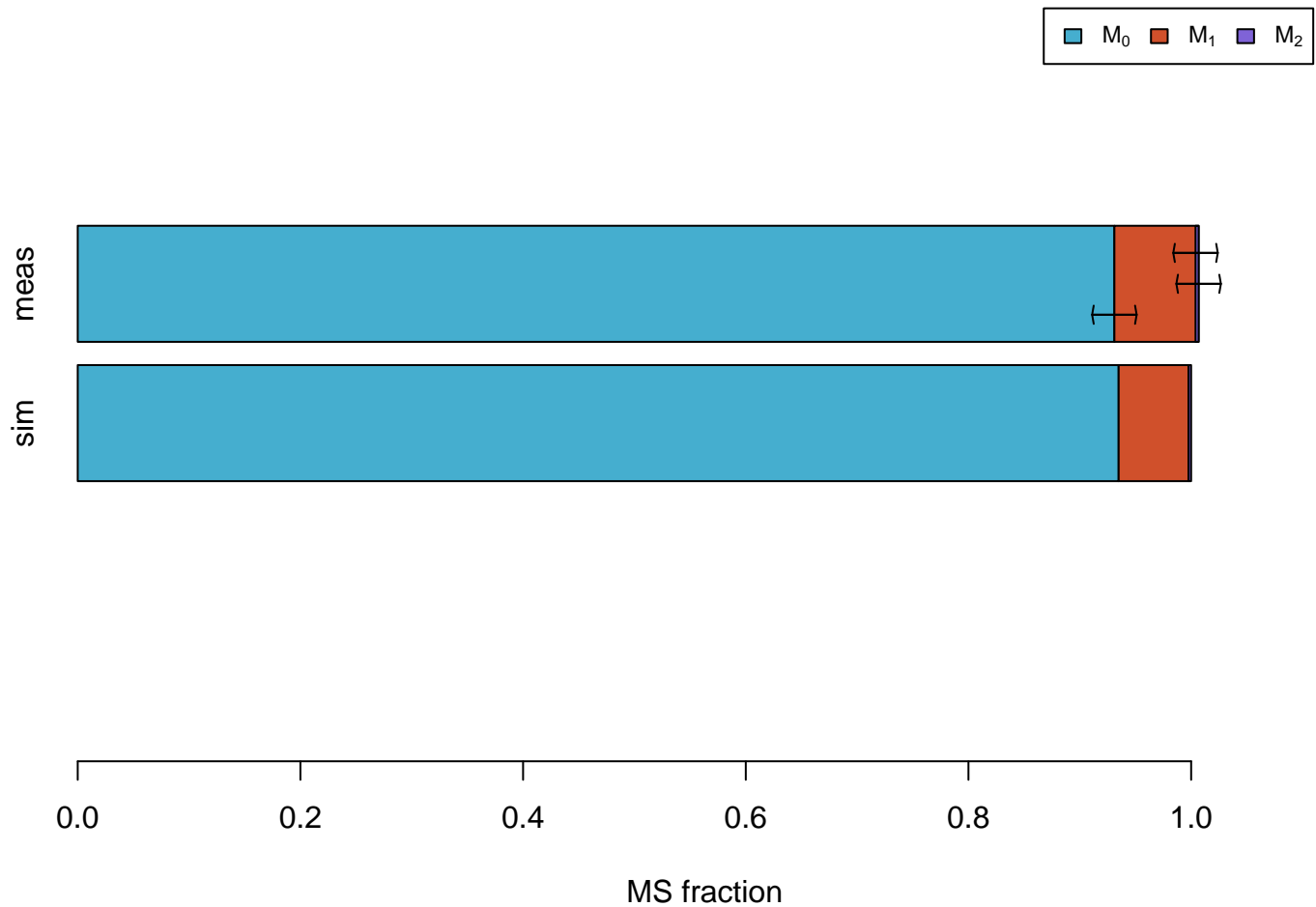


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

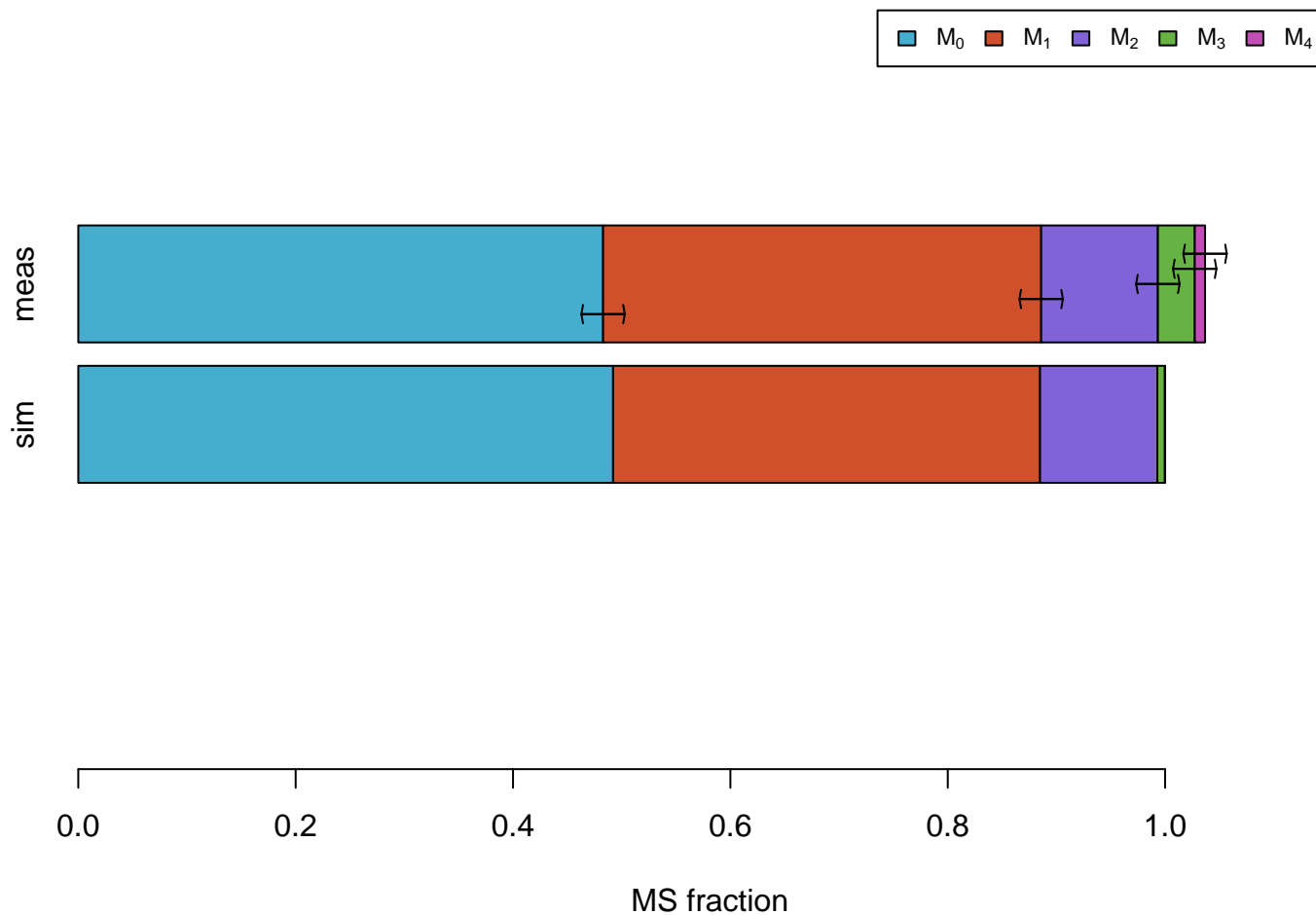
Ala



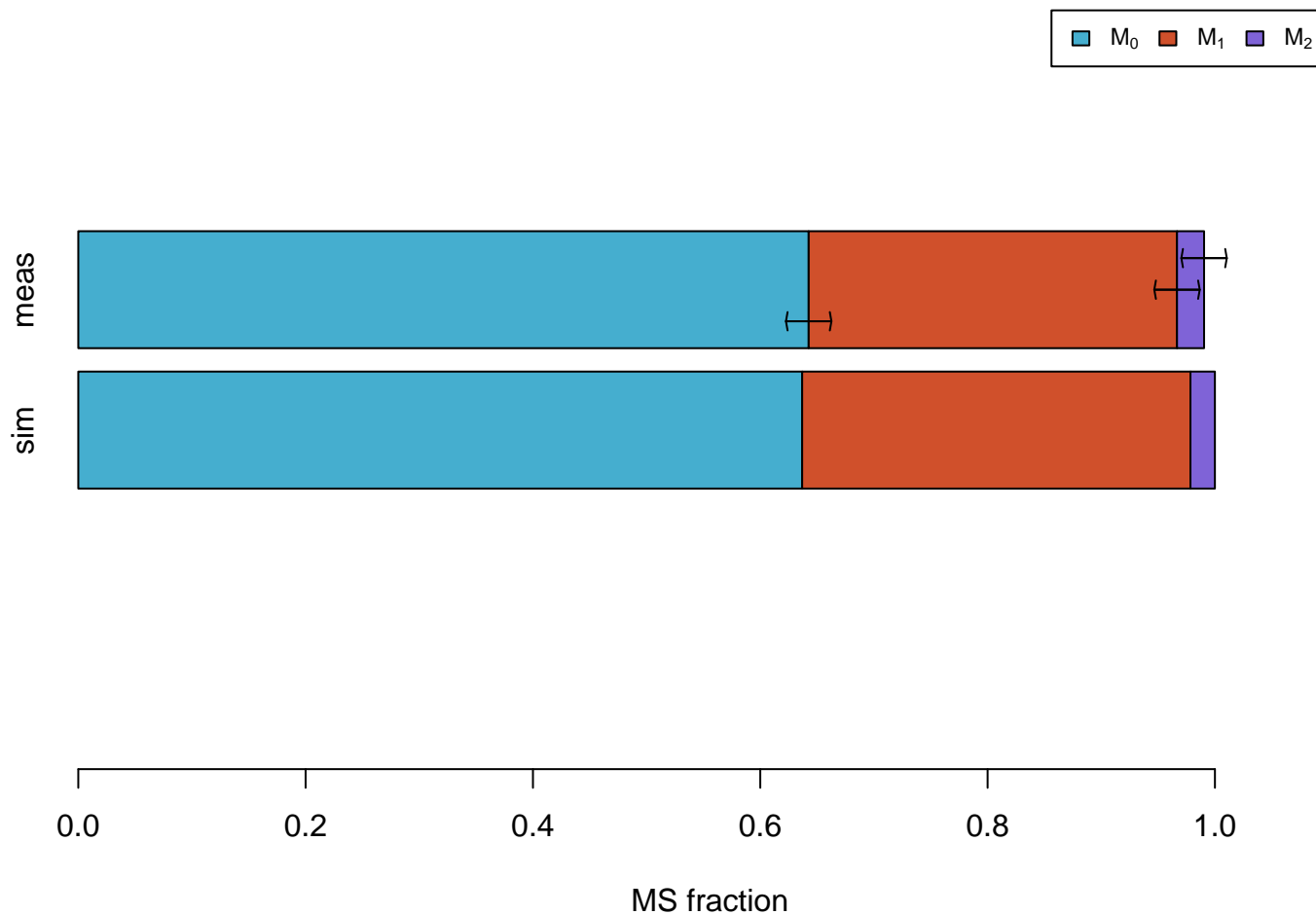
Ala #011



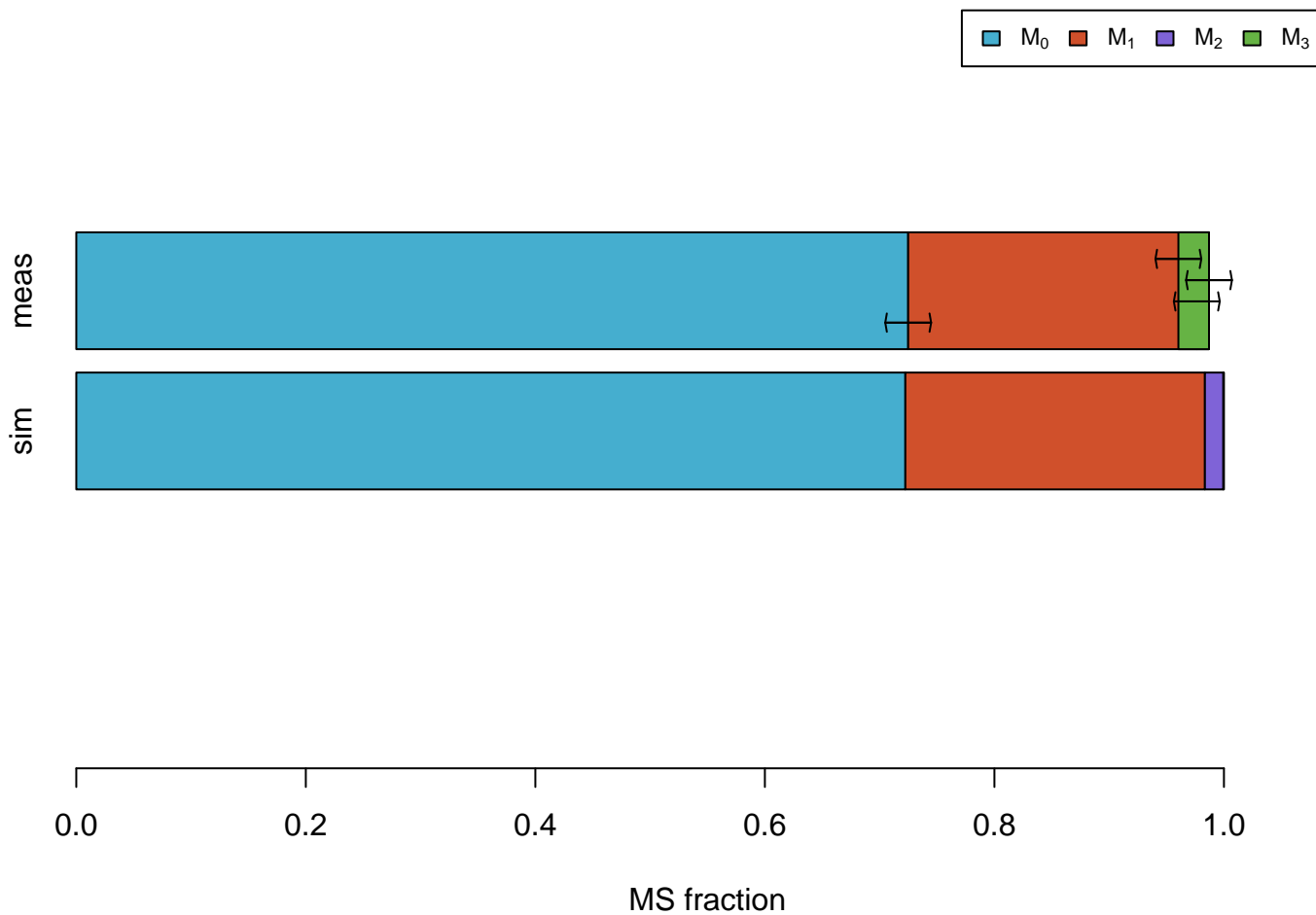
Asp



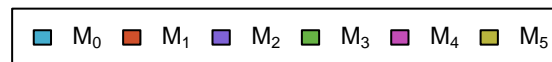
Asp #1100



Asp #0111



Glu



meas

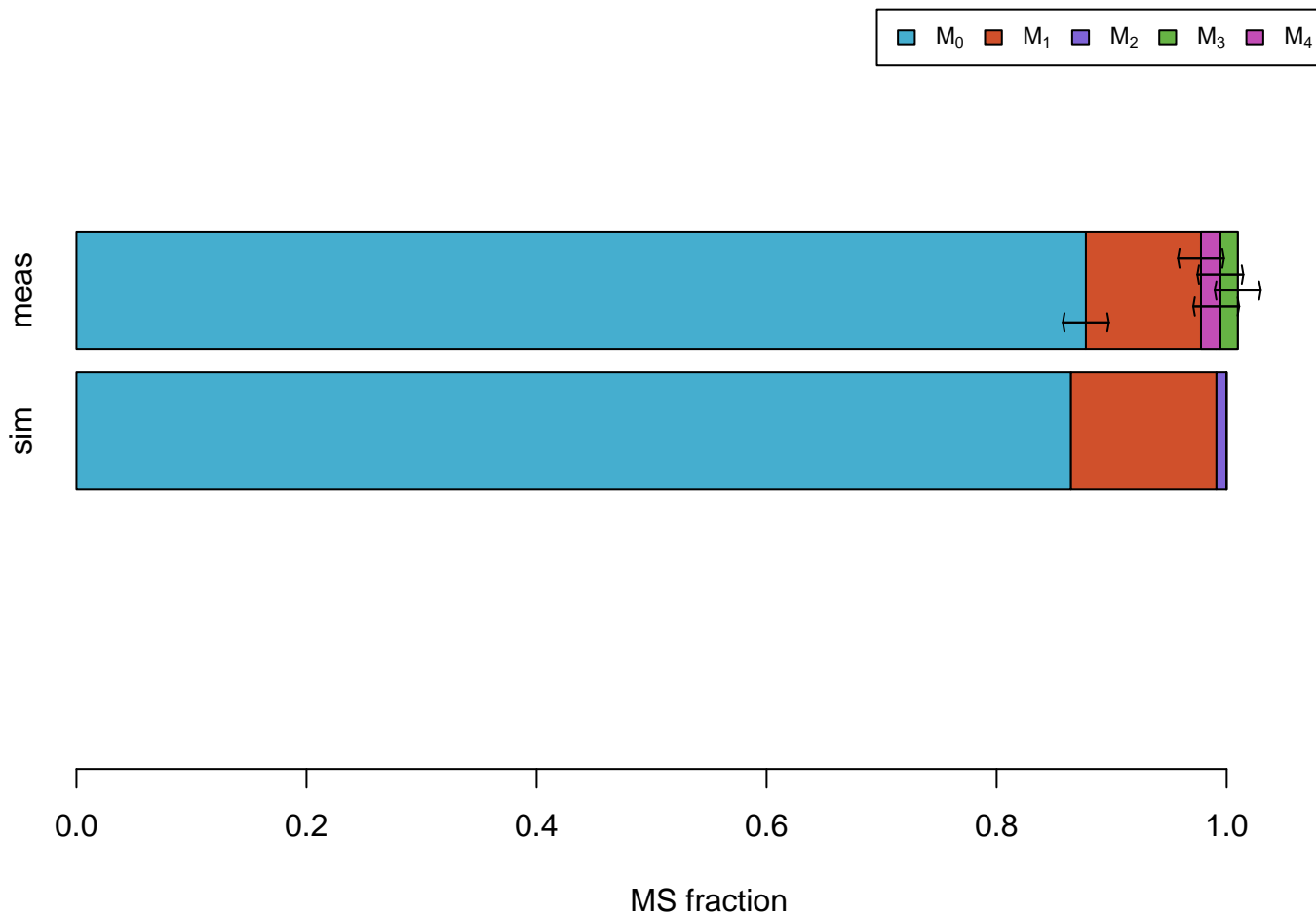
sim



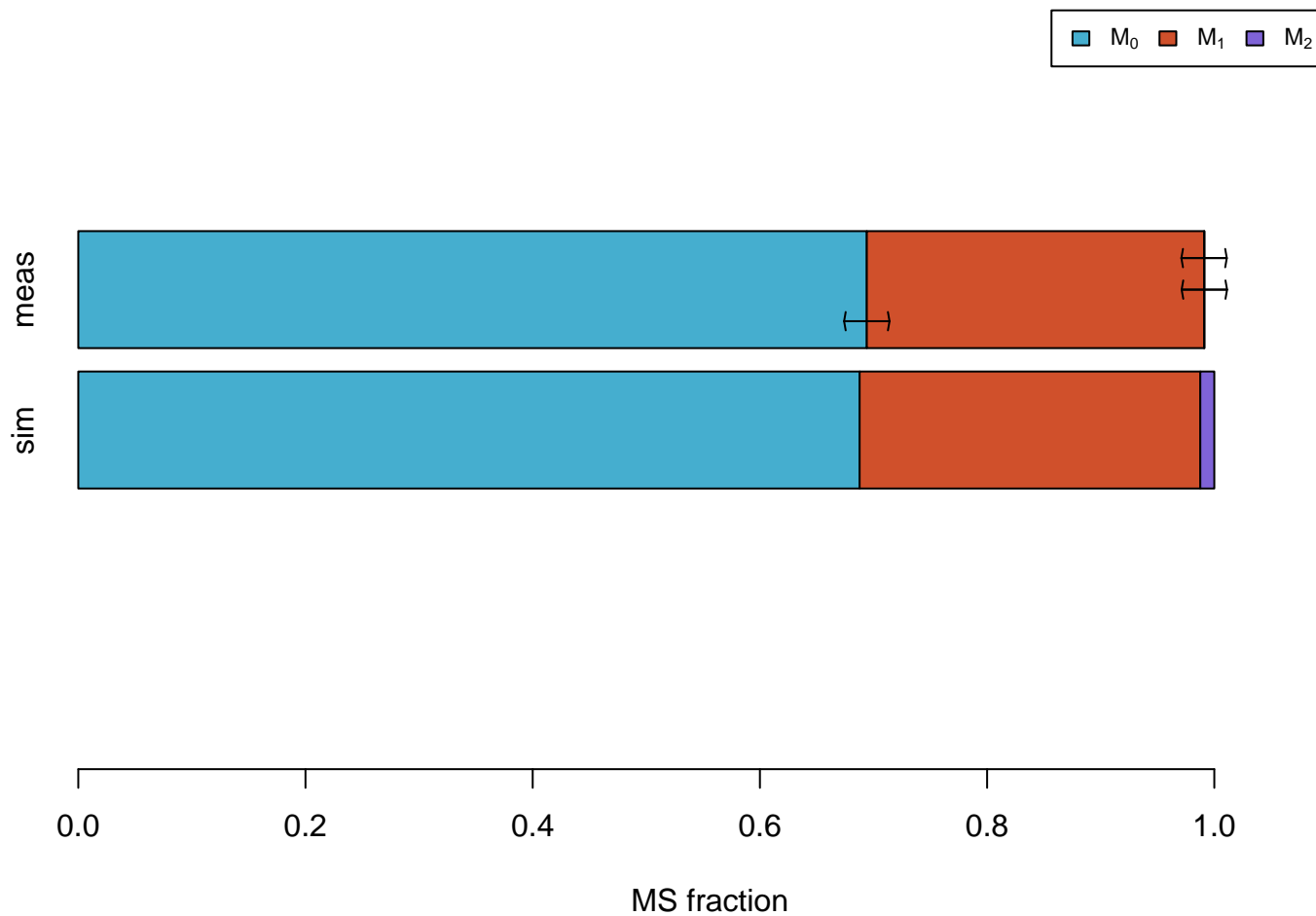
MS fraction



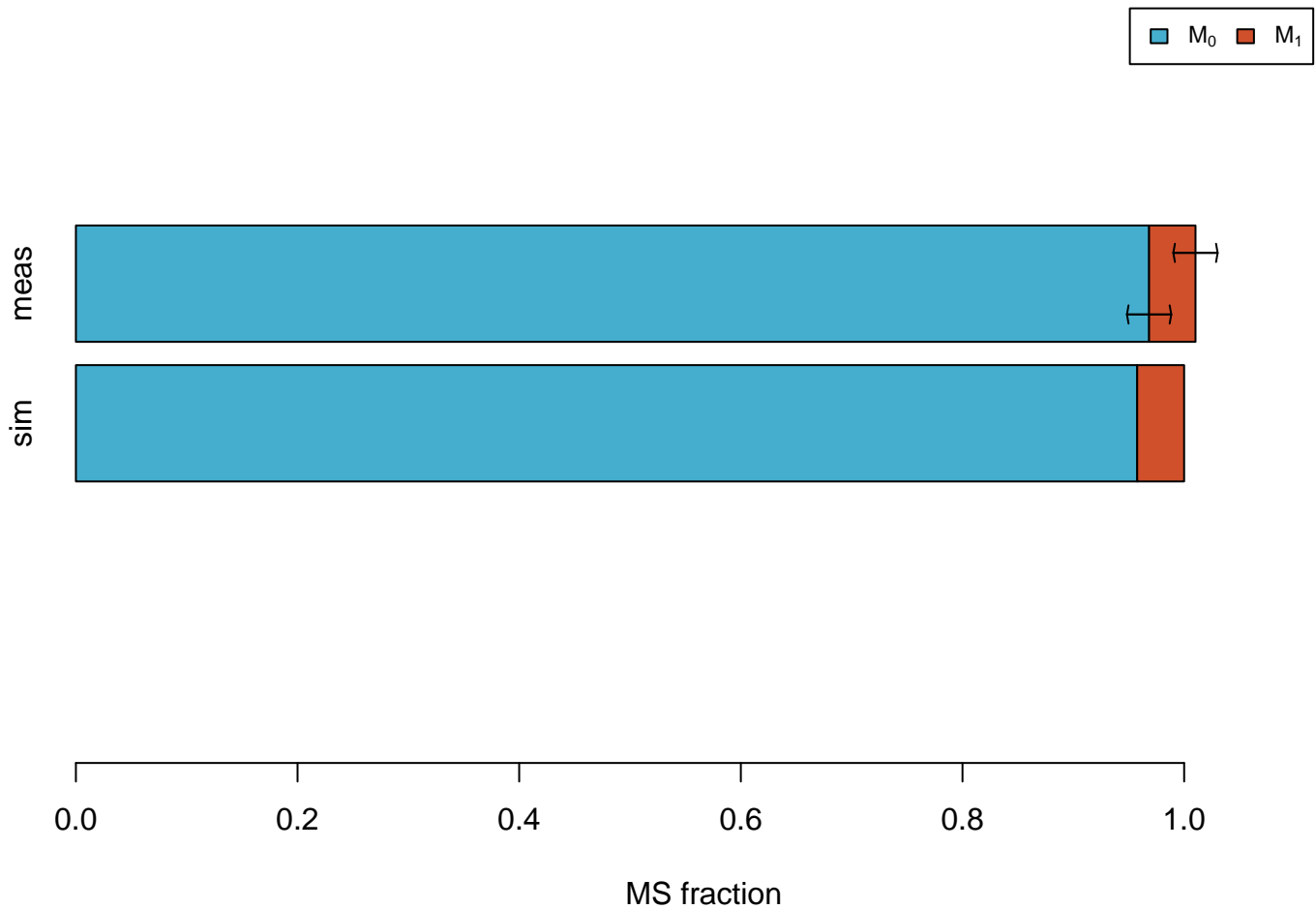
Glu #01111



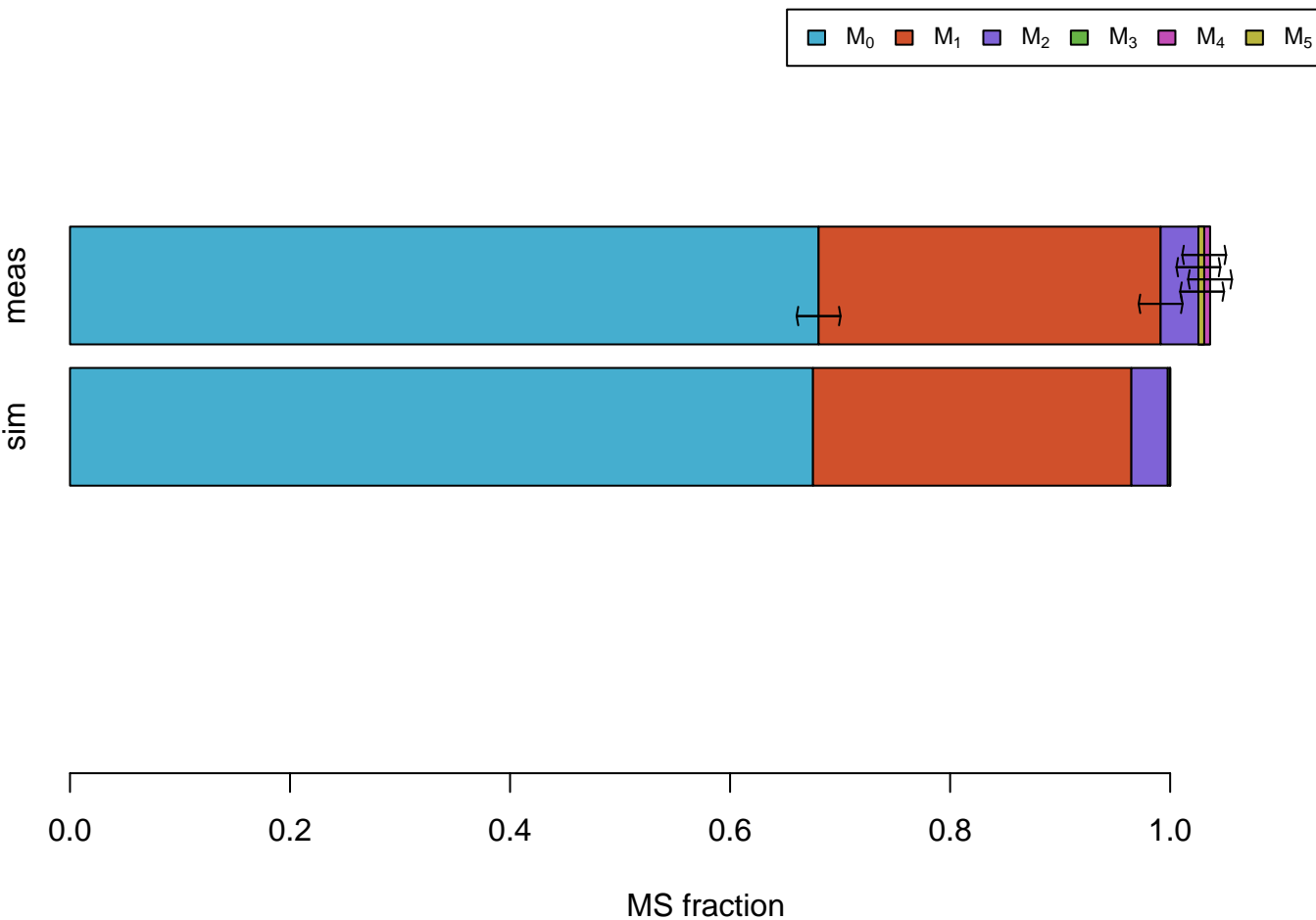
Gly



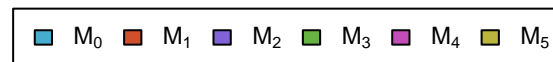
Gly #01



Ile #011111

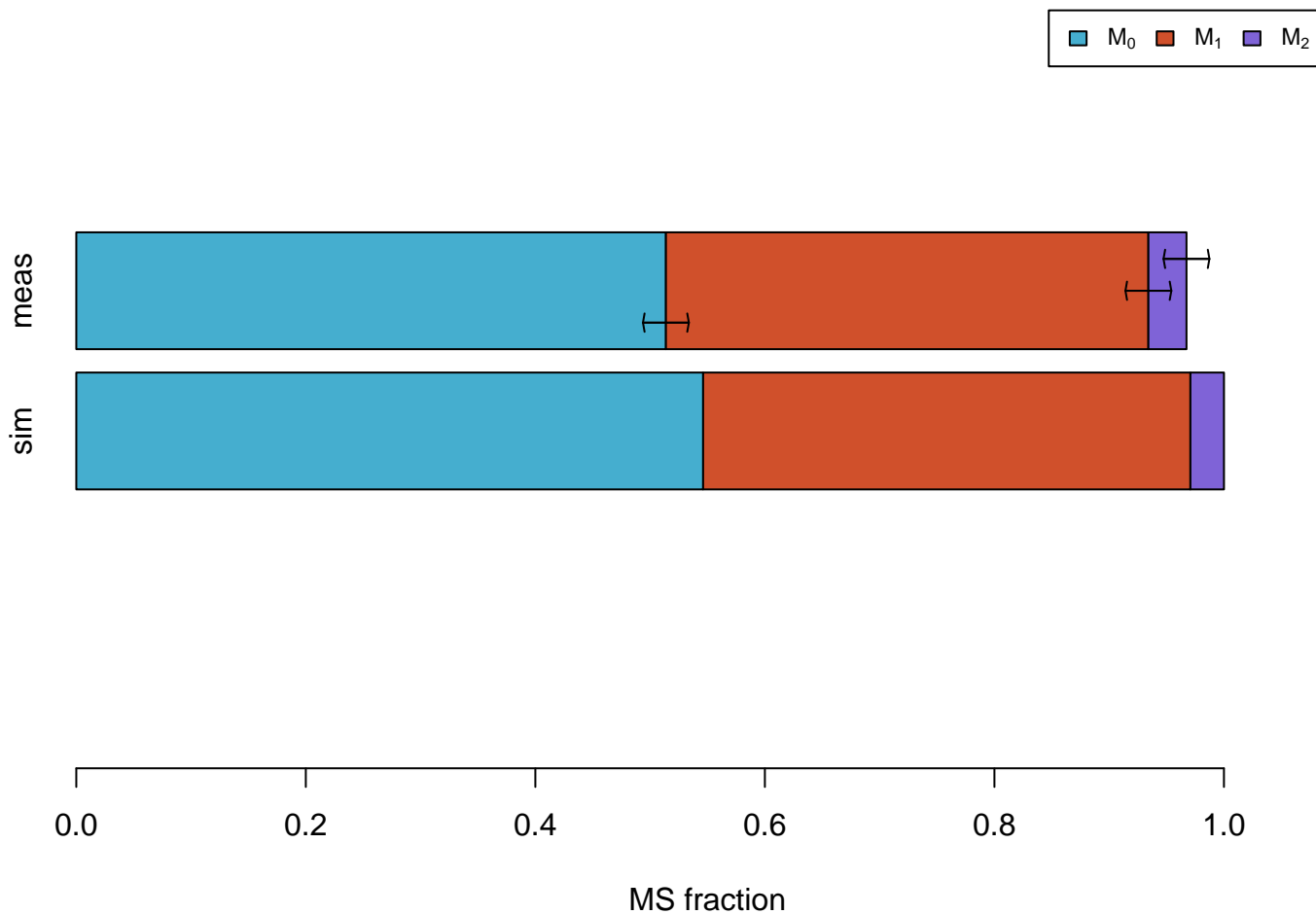


Leu #011111

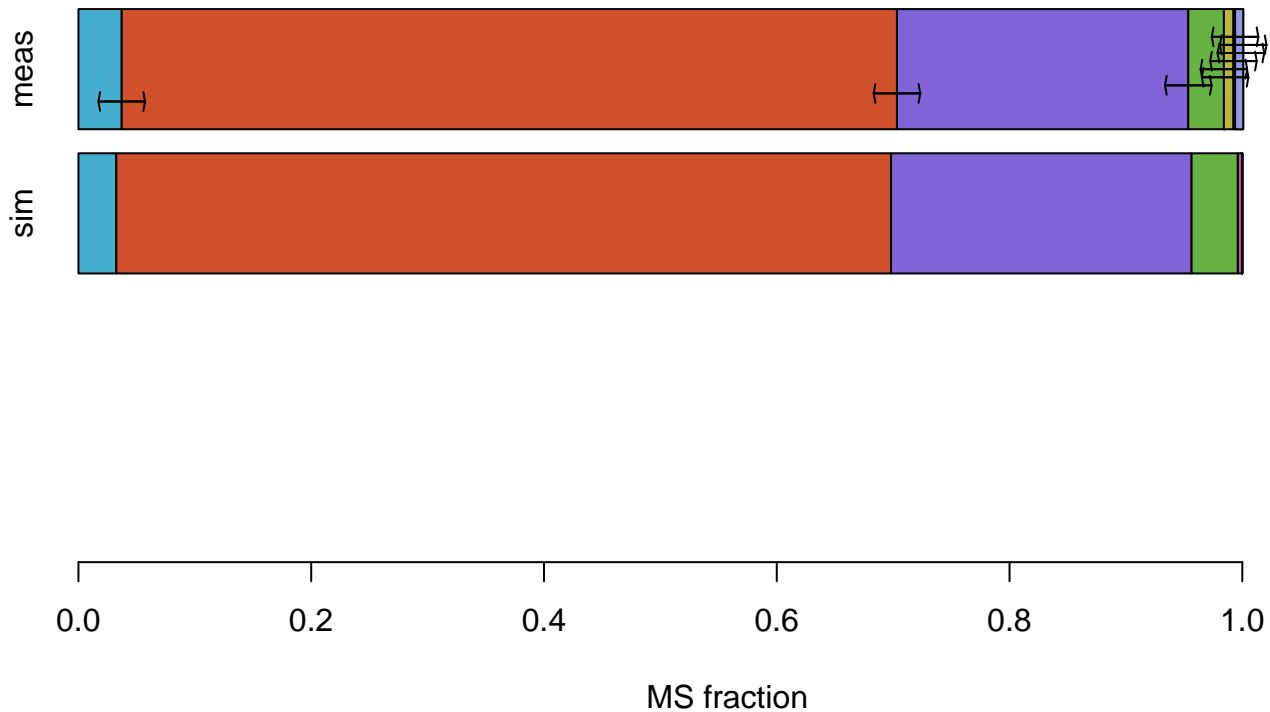


MS fraction

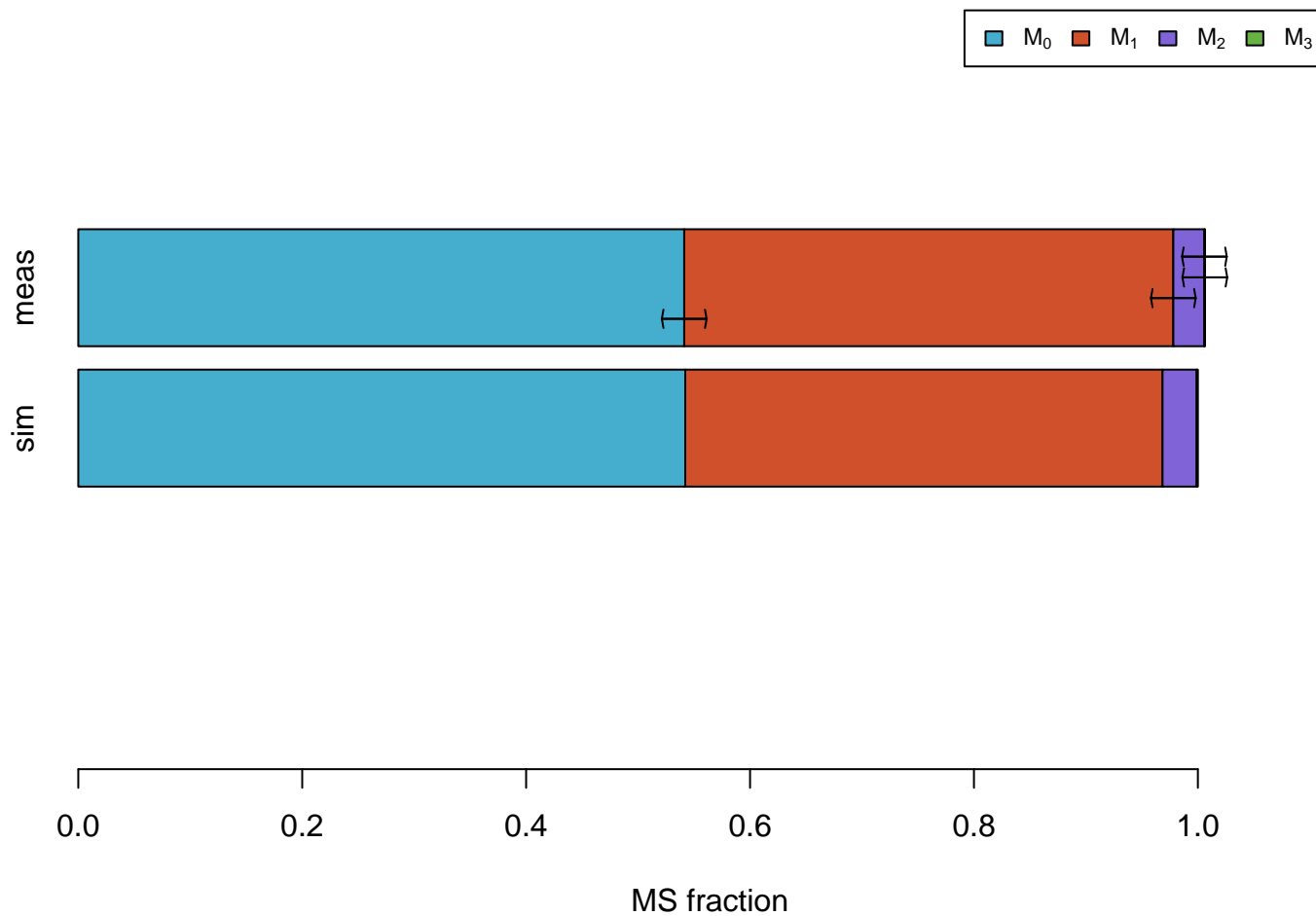
Phe #110000000



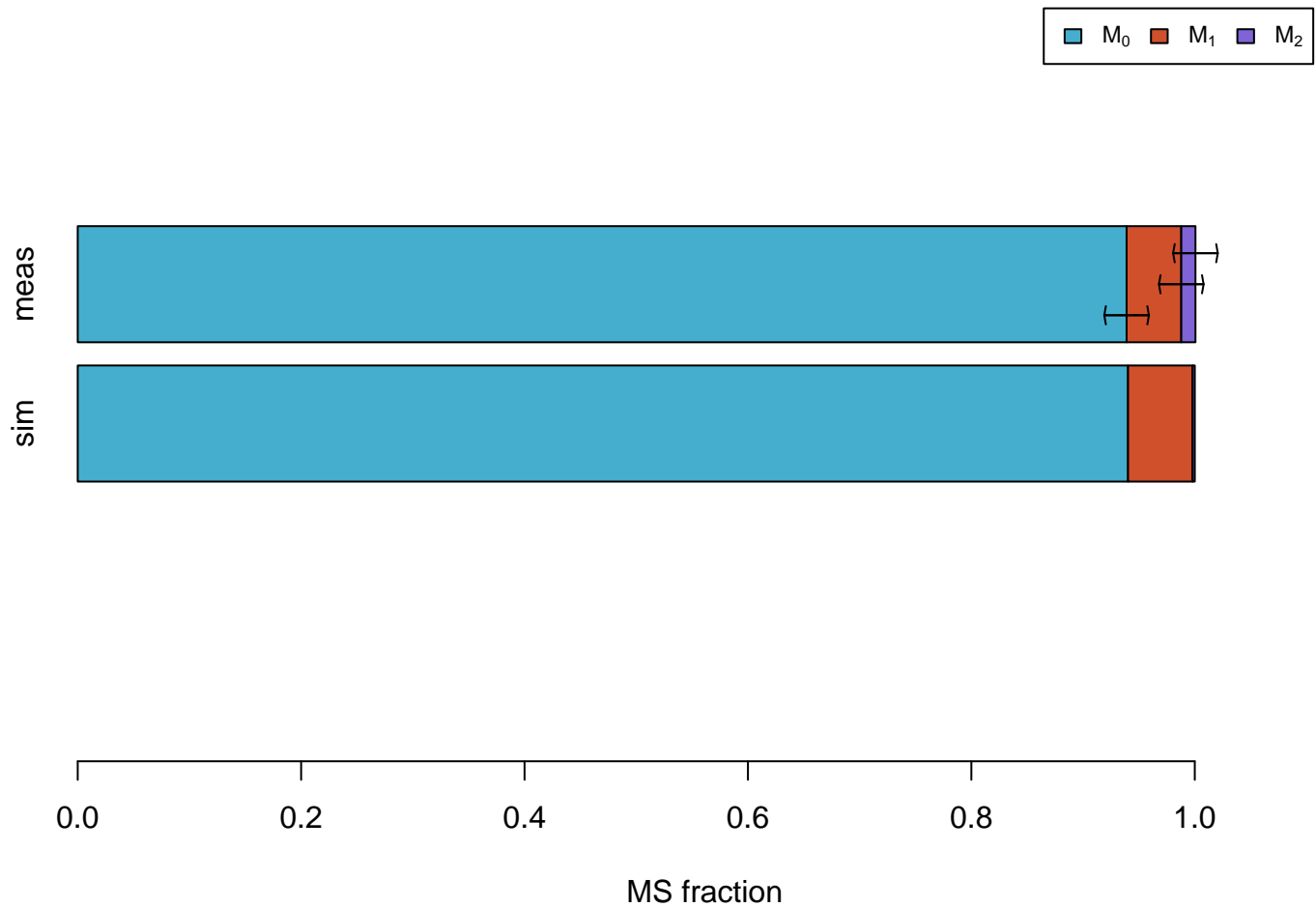
Phe #011111111



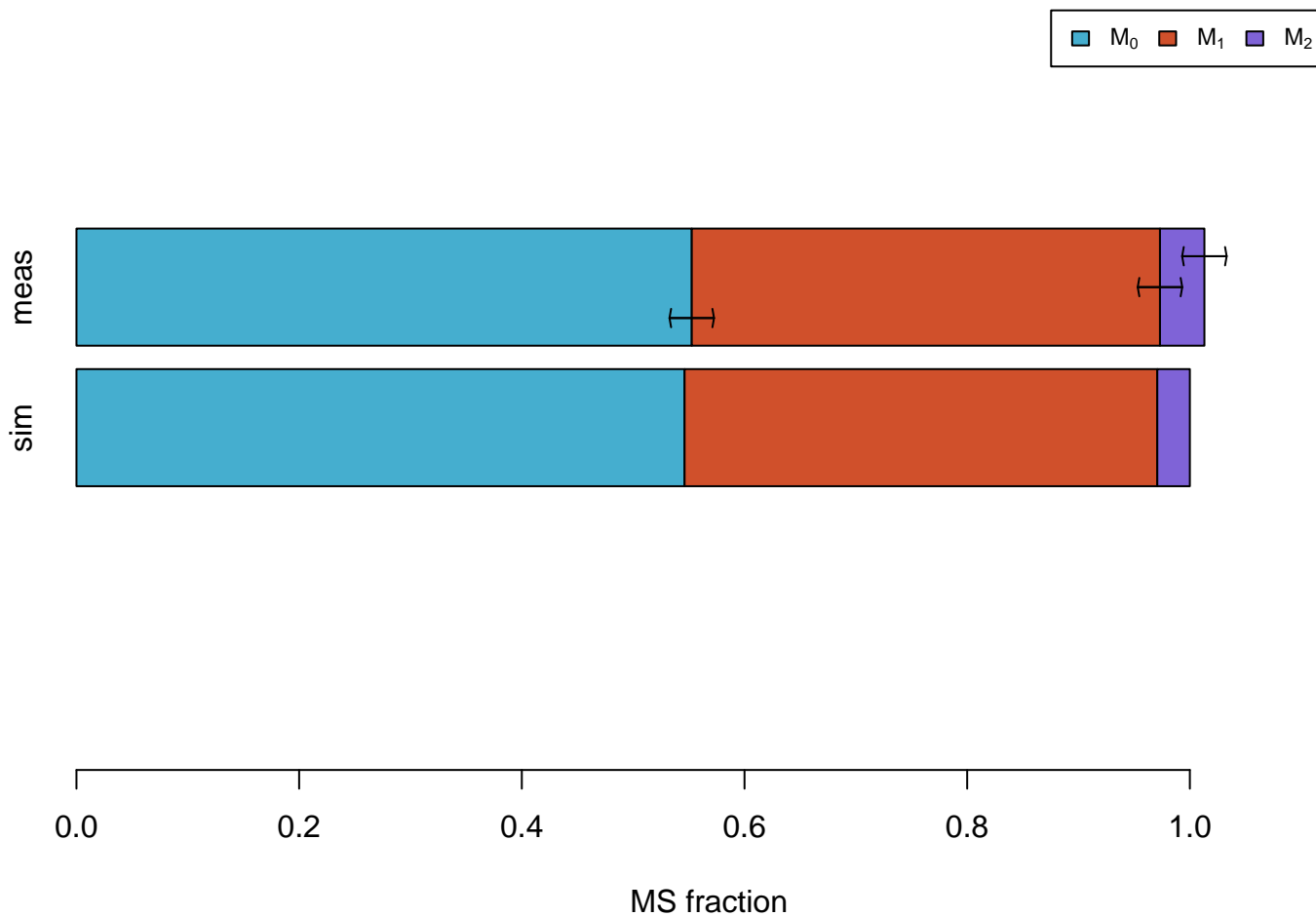
Ser



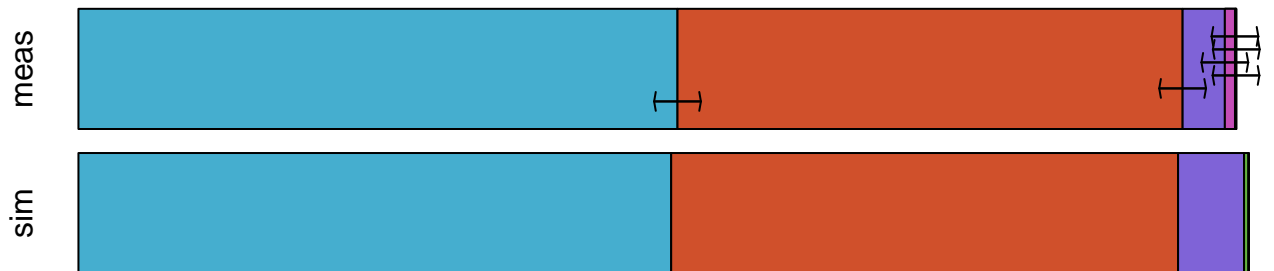
Ser #011



Tyr #110000000

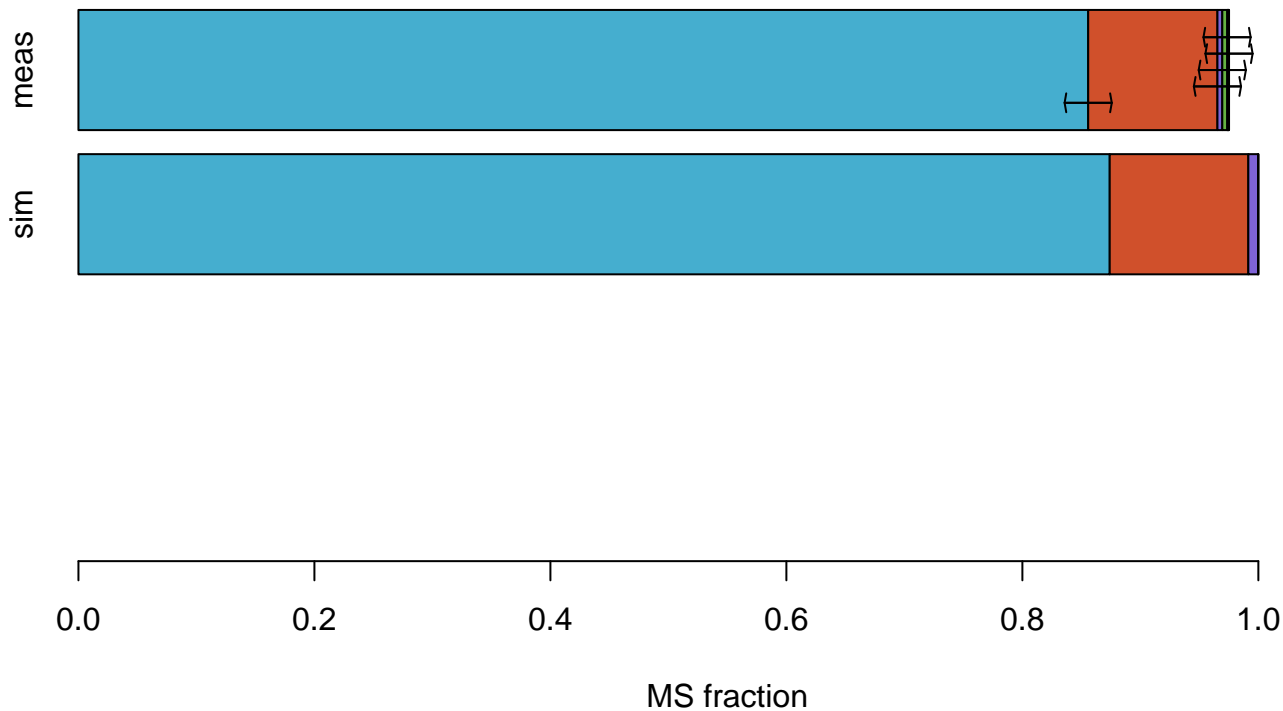


Val



MS fraction

Val #01111

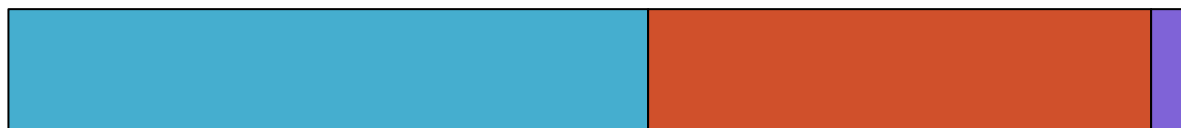


MS simulations

3PG



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Ac



sim



MS fraction

AcCoA

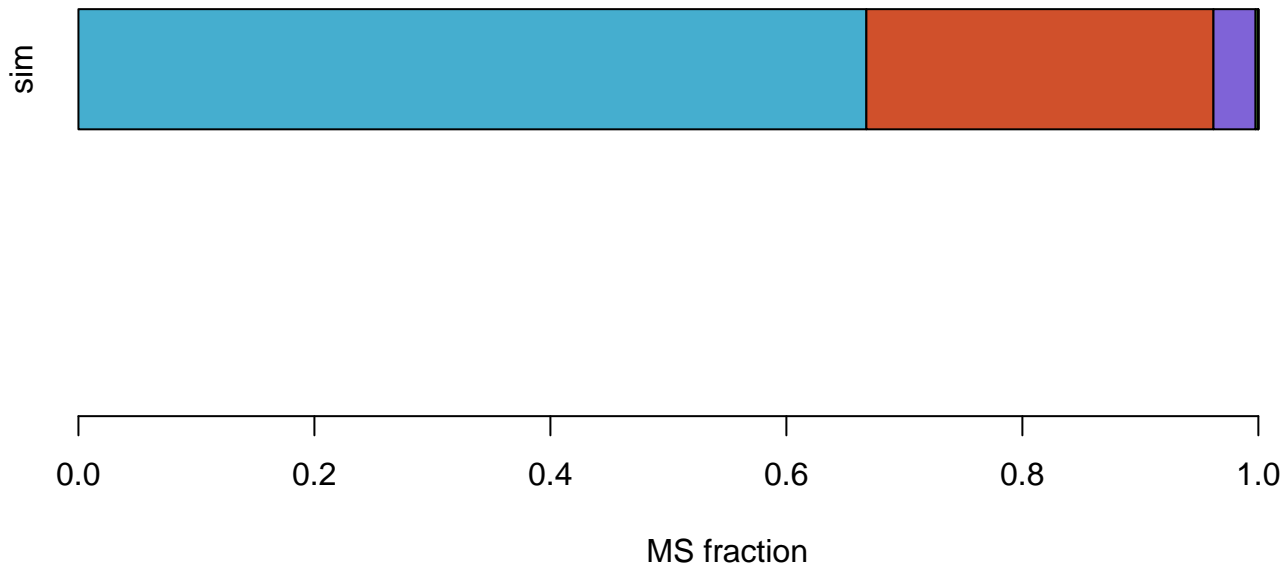


sim

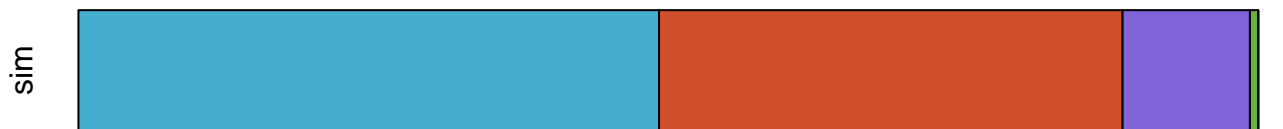


MS fraction

AKG



Asn



MS fraction

CO2



sim

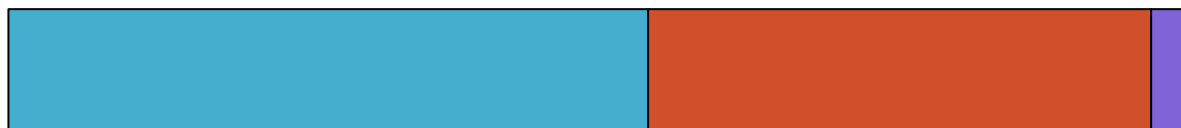


MS fraction

Cys



sim



0.0

0.2

0.4

0.6

0.8

1.0

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



sim



0.0

0.2

0.4

0.6

0.8

1.0

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

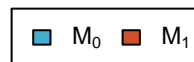
0.6

0.8

1.0

MS fraction

METHF



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

OAC



sim



MS fraction

PEP

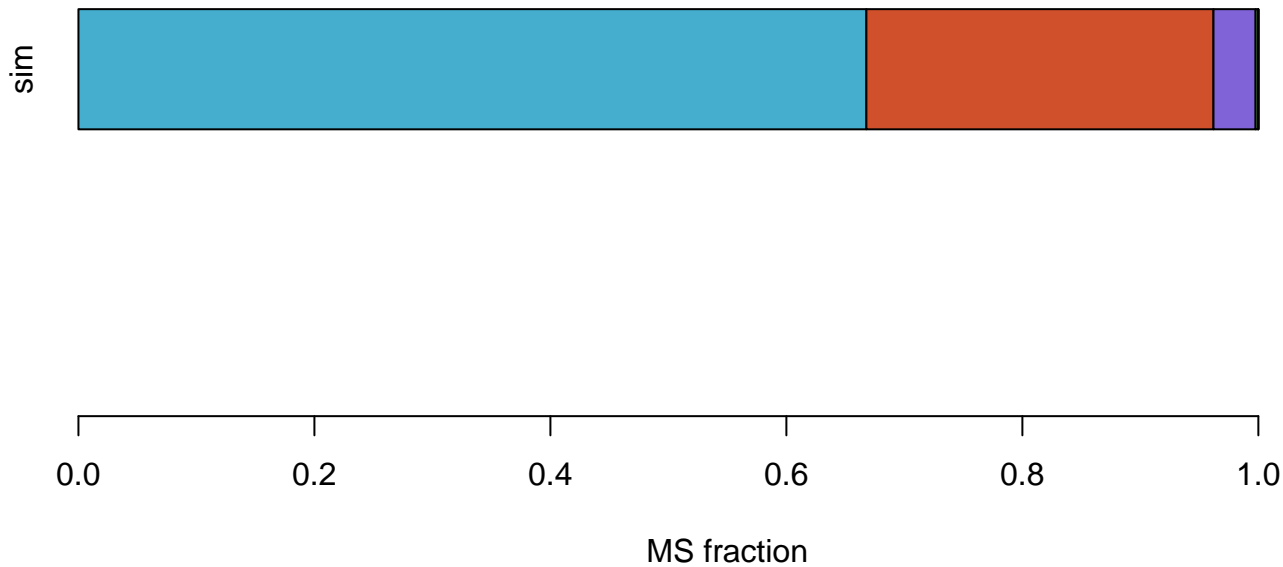


sim



MS fraction

Pro



Pyr



sim



0.0

0.2

0.4

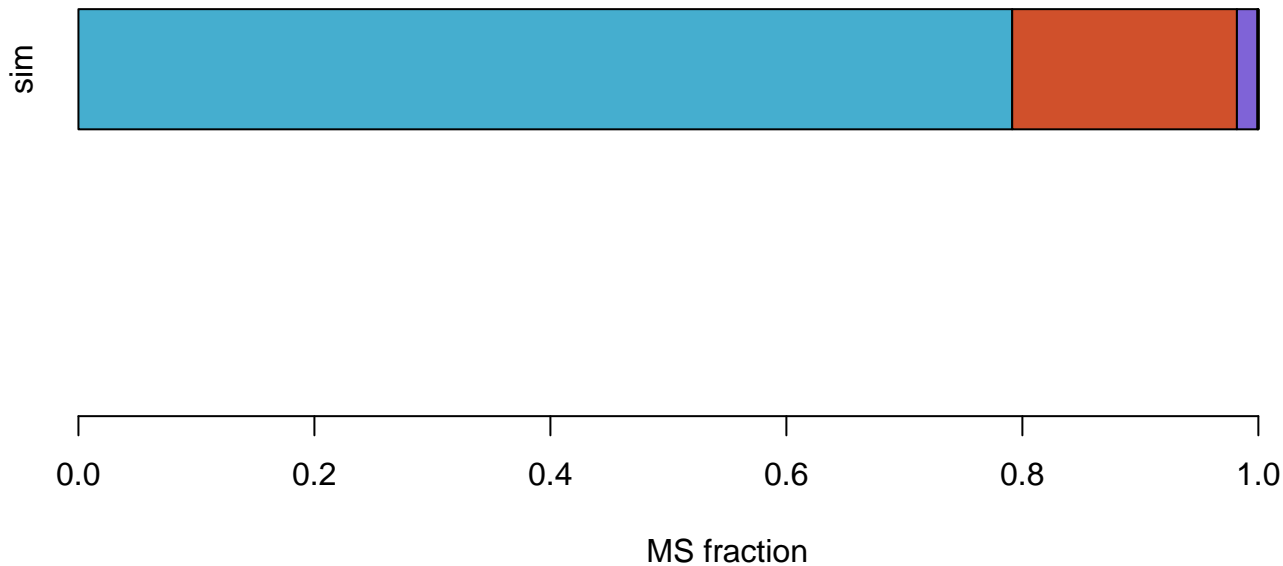
0.6

0.8

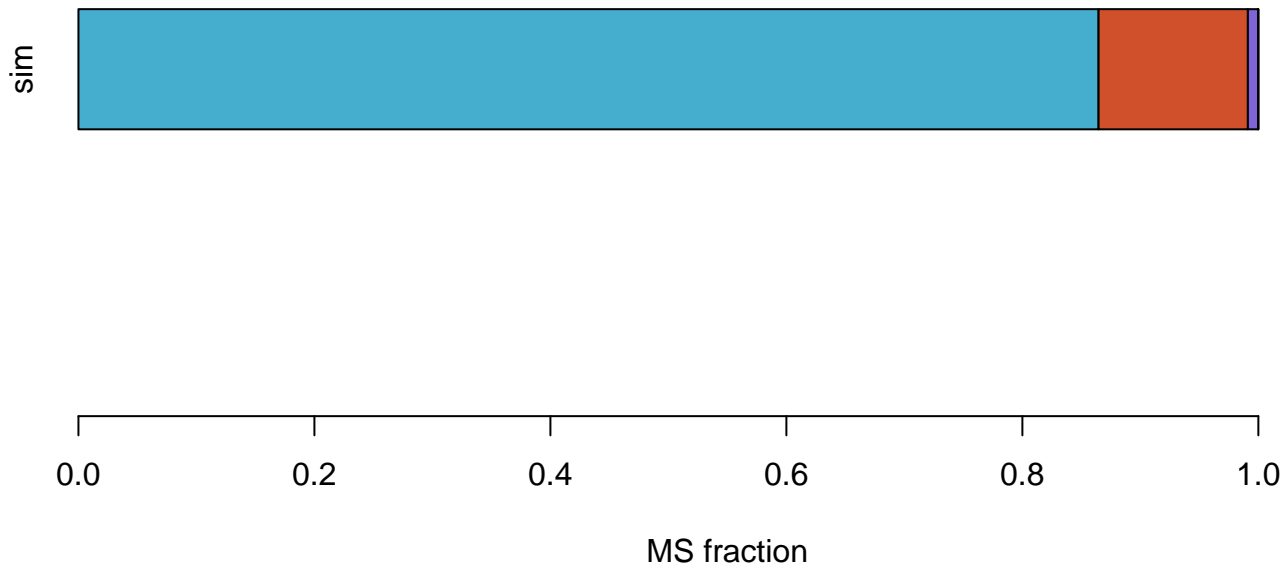
1.0

MS fraction

Suc



SucCoA



TA-C3



sim



MS fraction

Thr



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

TK-C2



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction