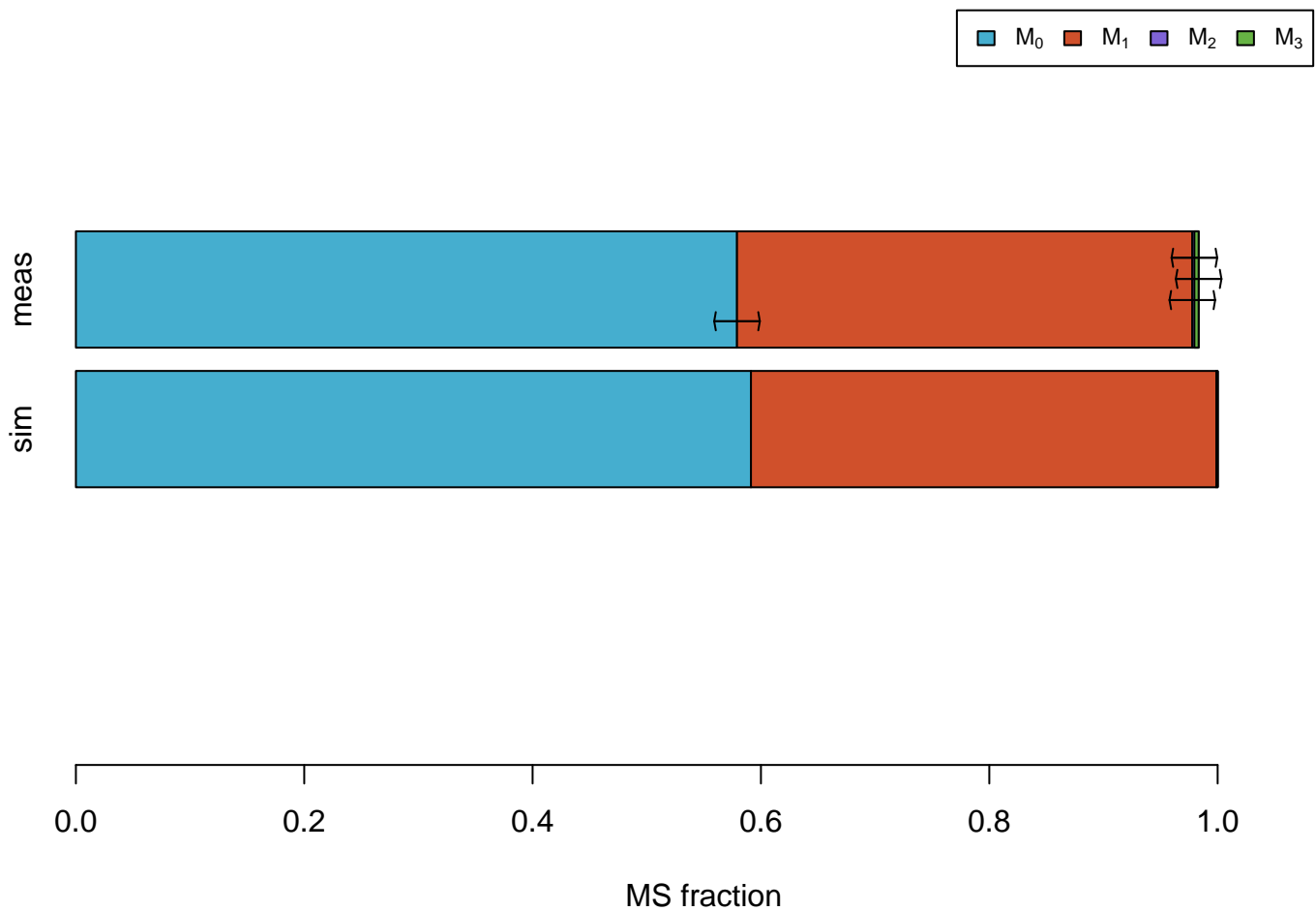
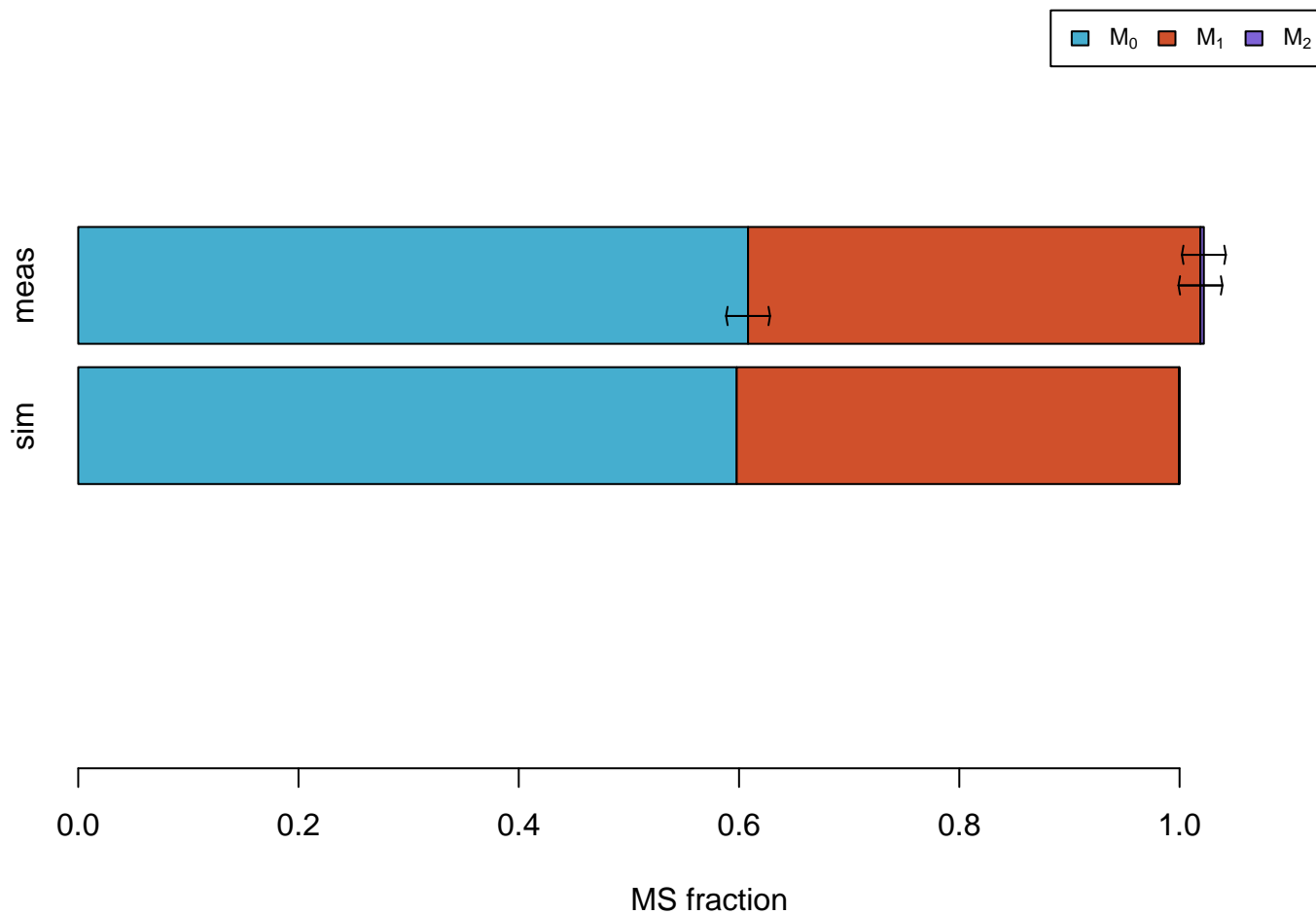


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

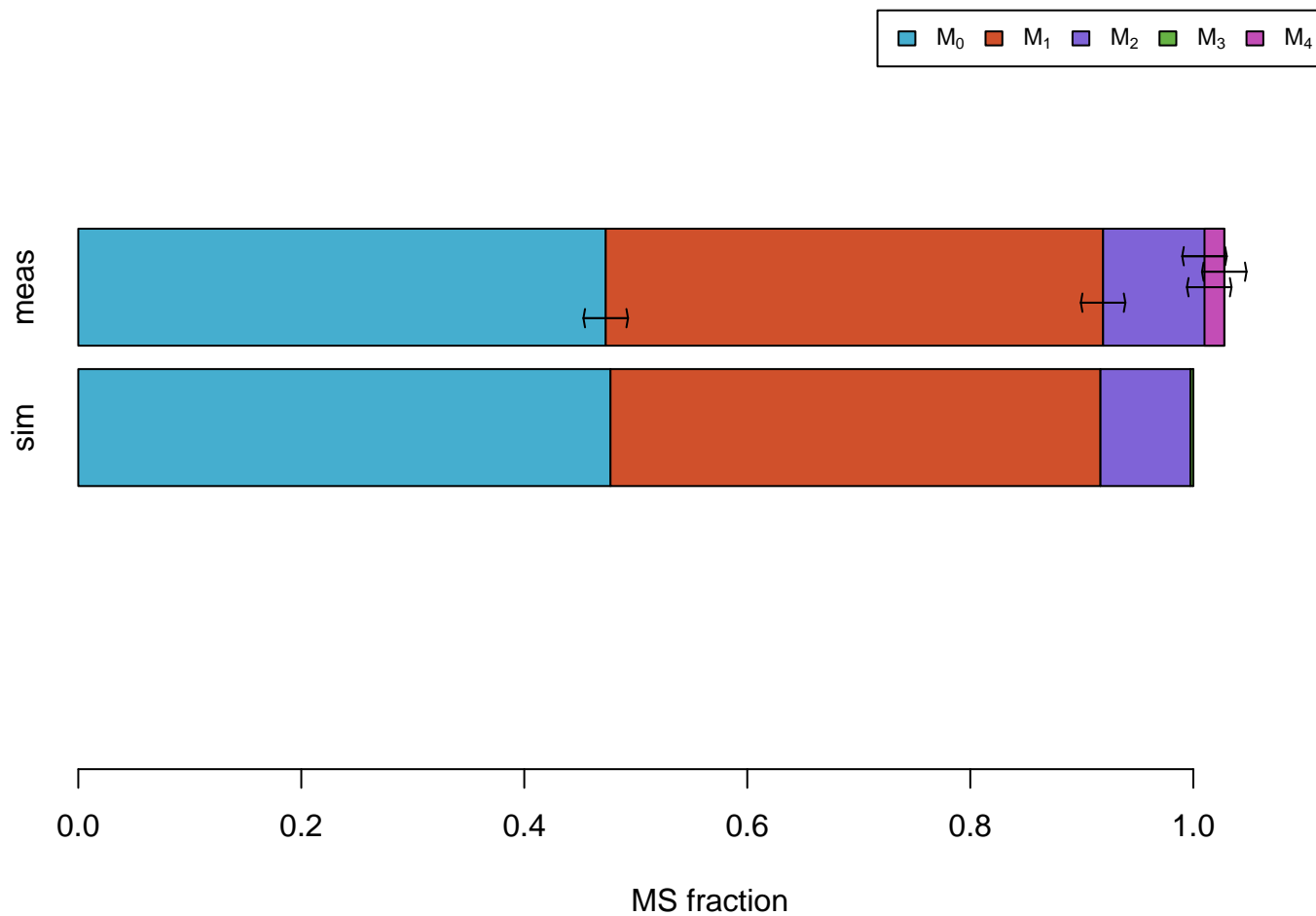
Ala



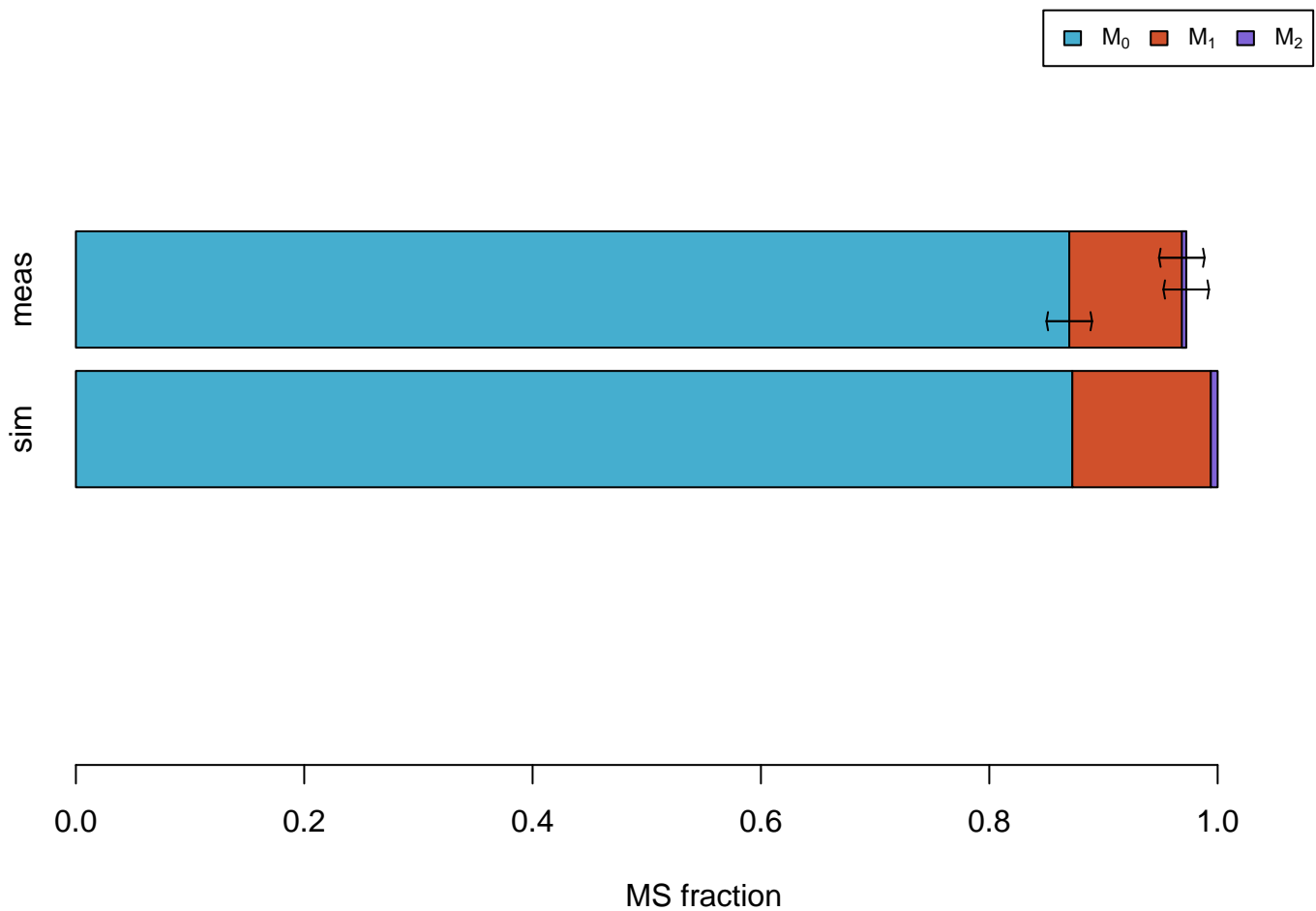
Ala #011



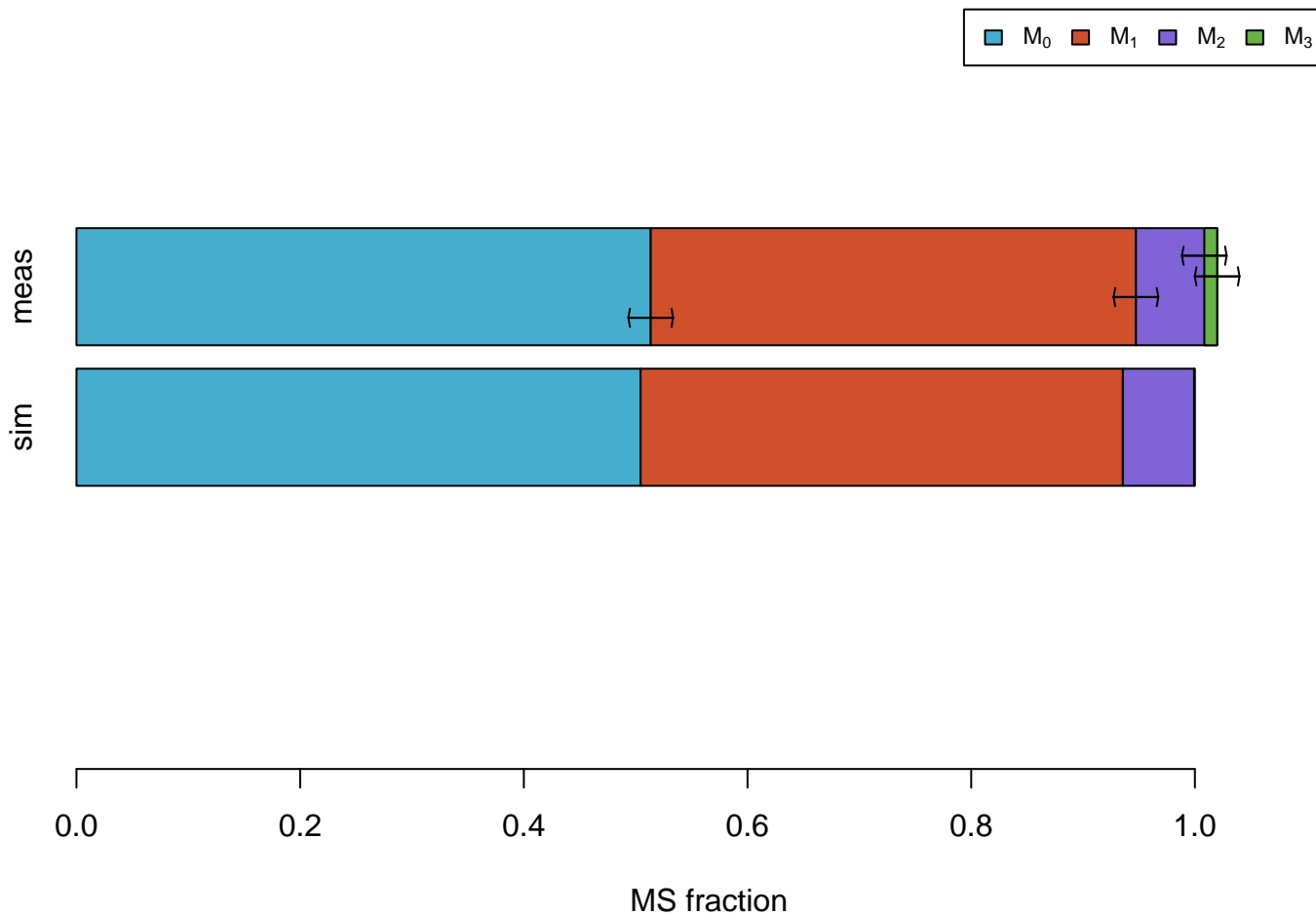
Asp



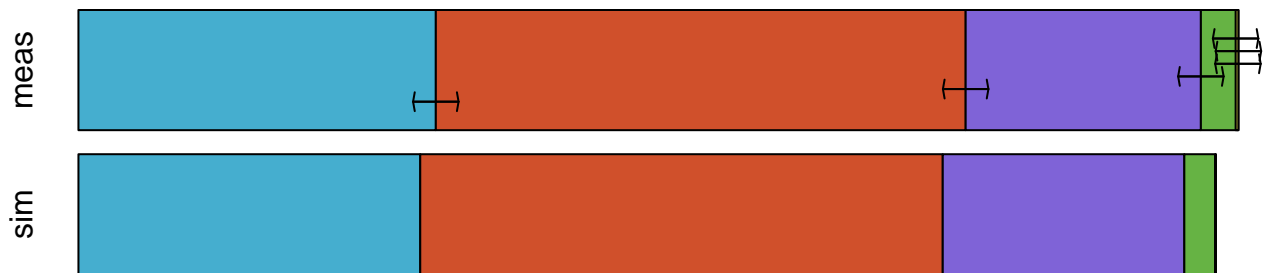
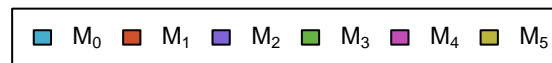
Asp #1100



Asp #0111

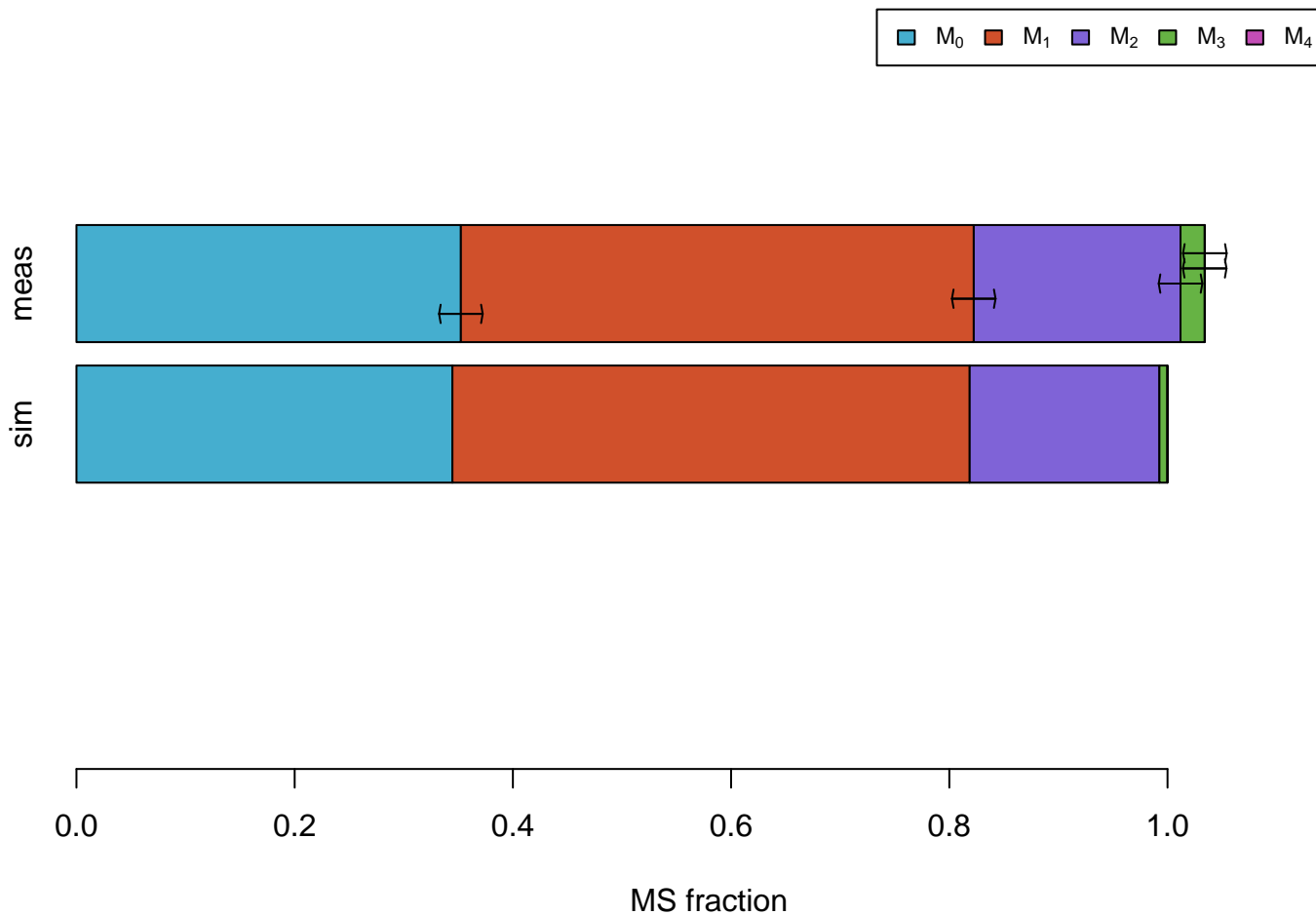


Glu

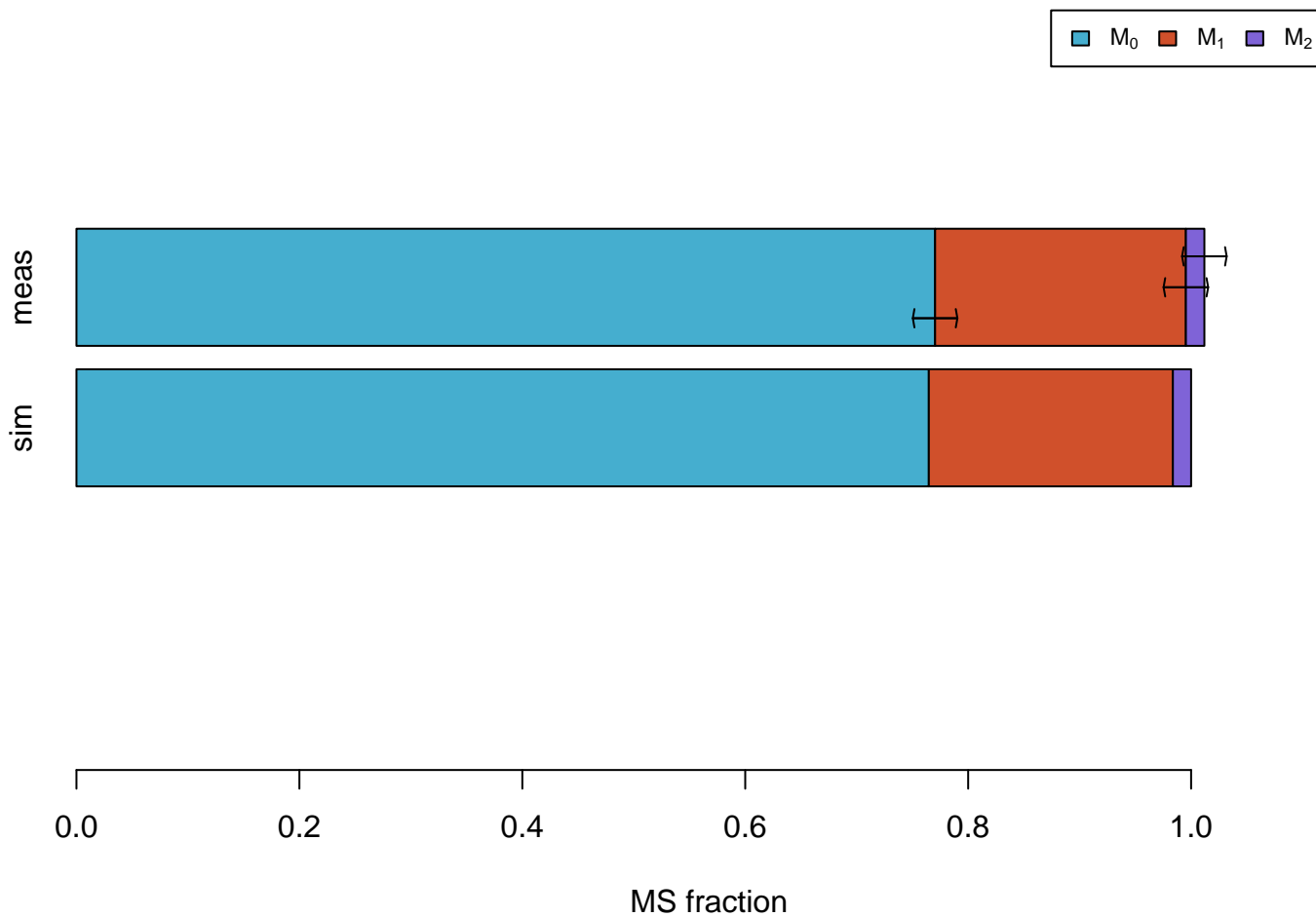


MS fraction

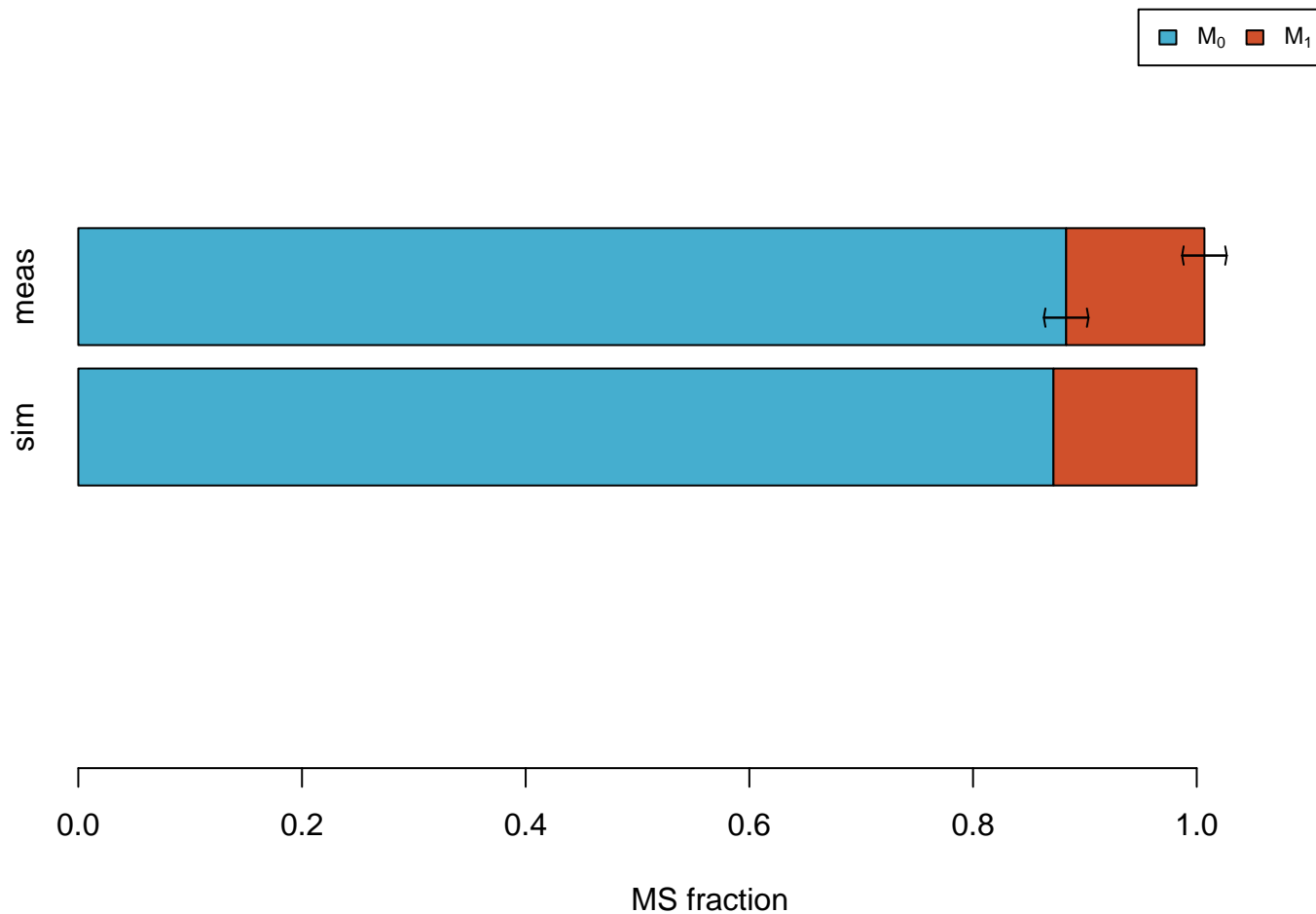
Glu #01111



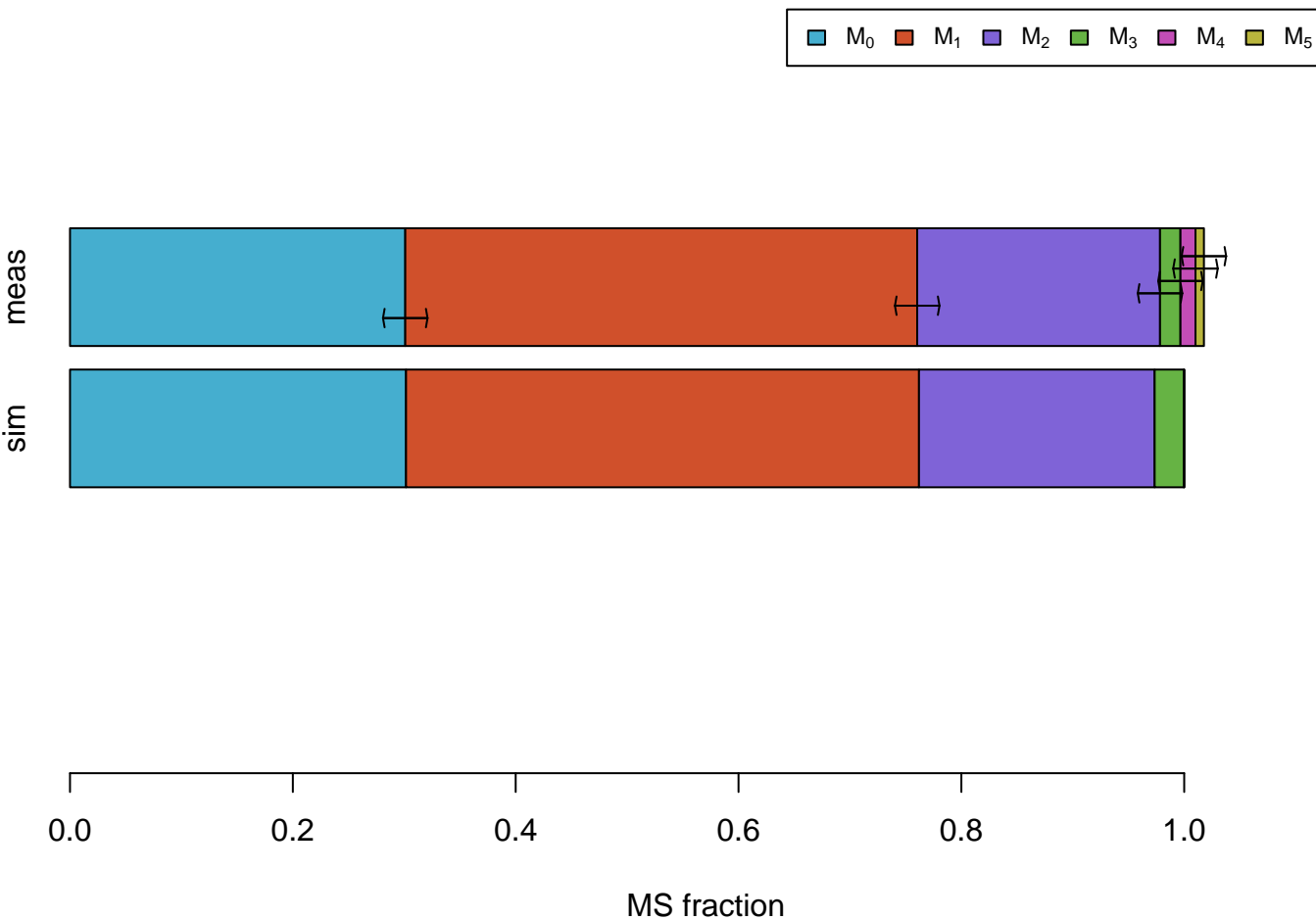
Gly



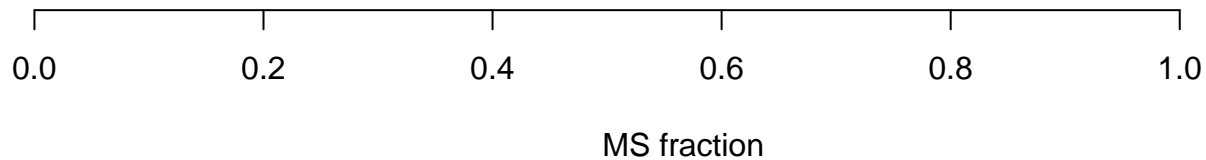
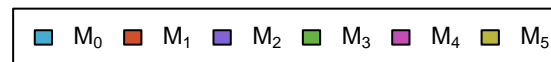
Gly #01



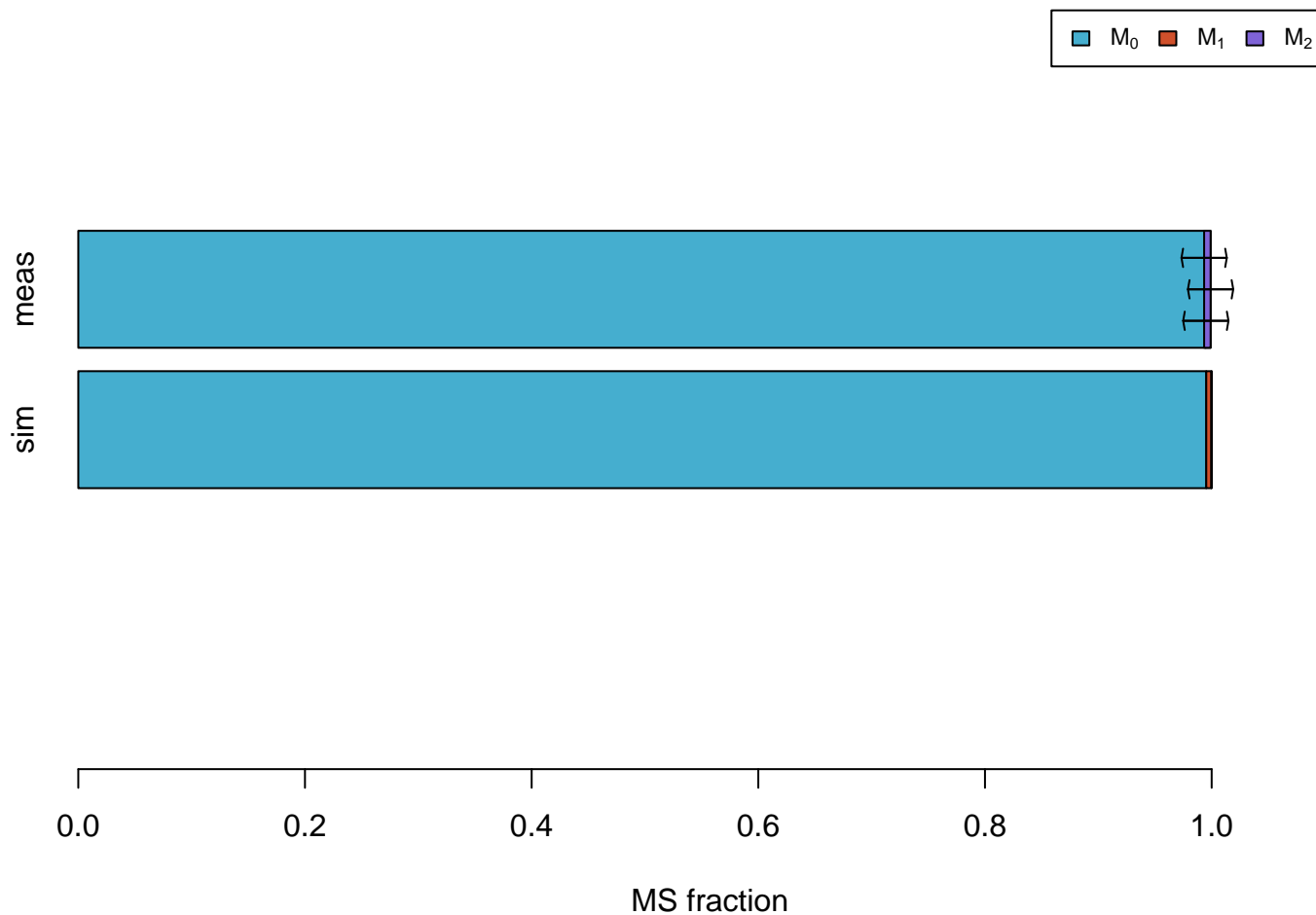
Ile #011111



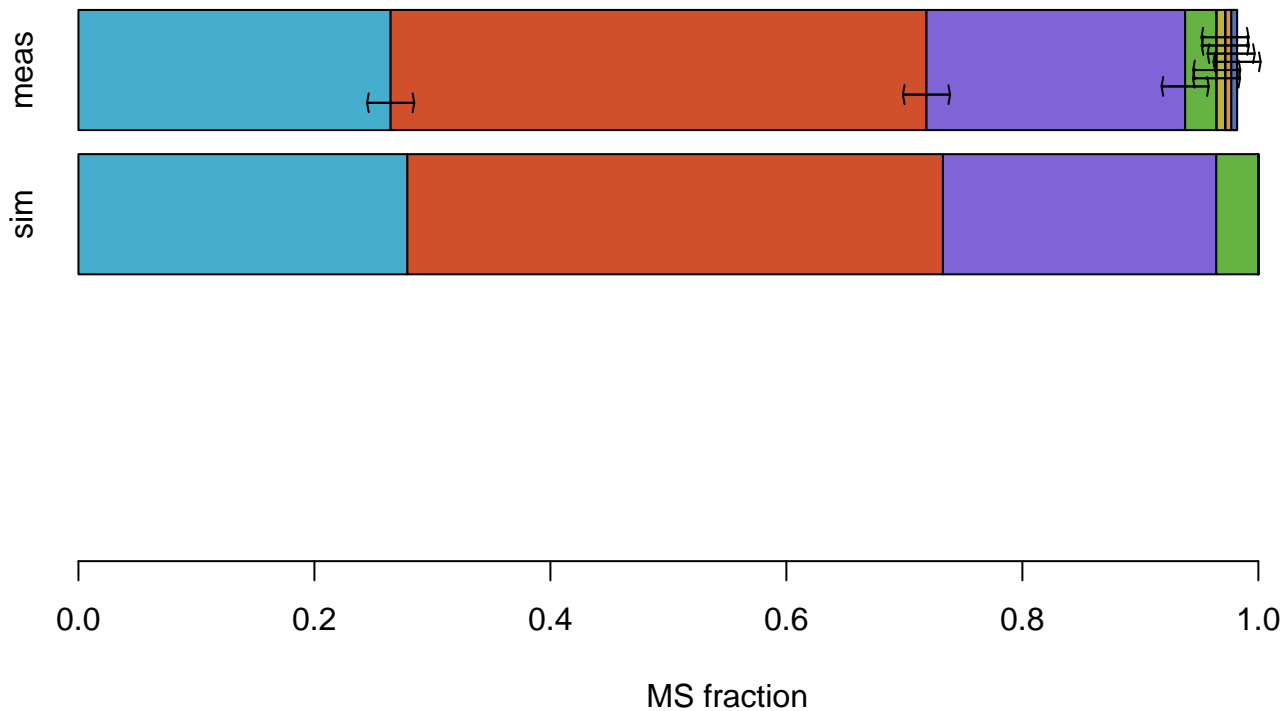
Leu #011111



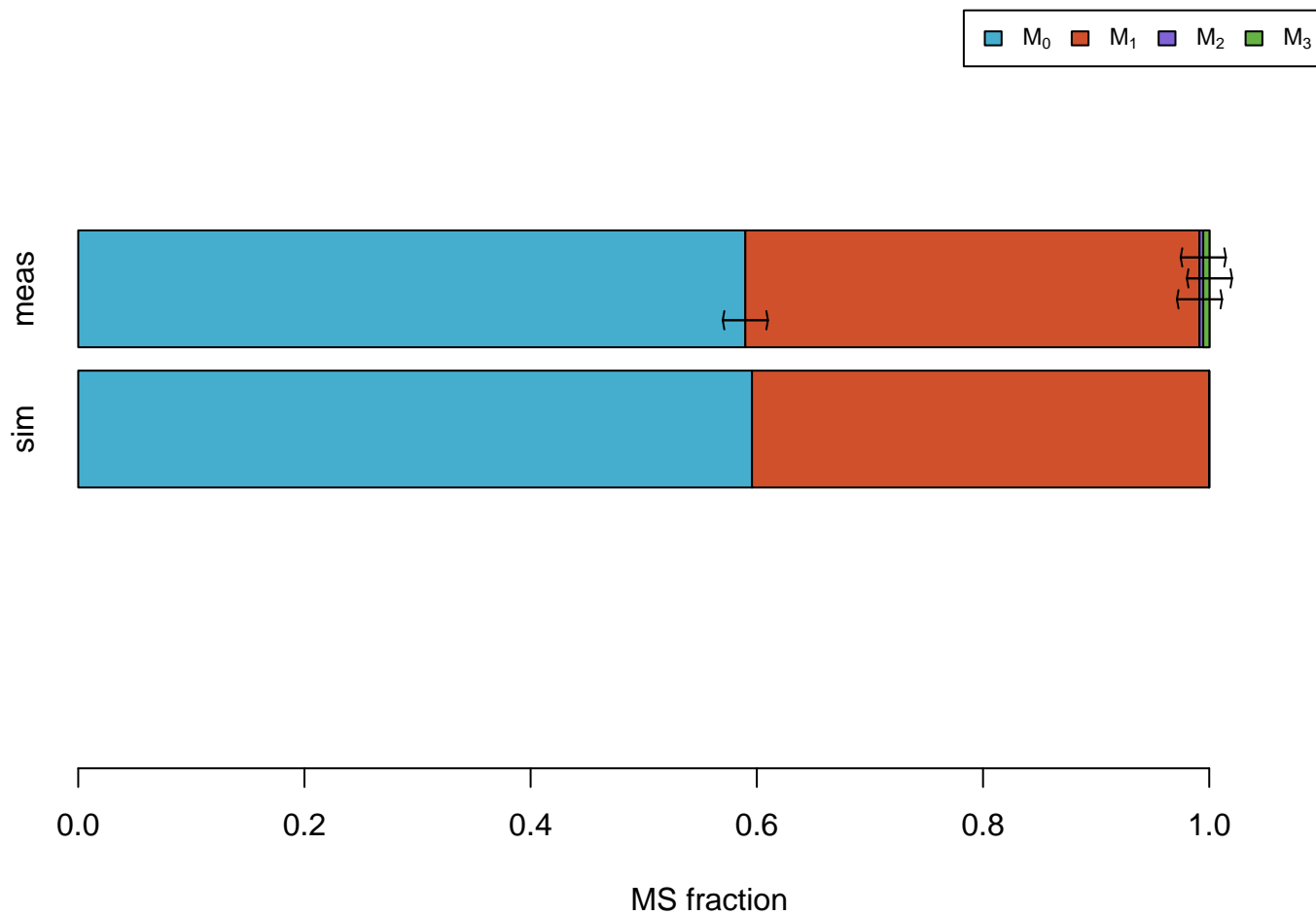
Phe #110000000



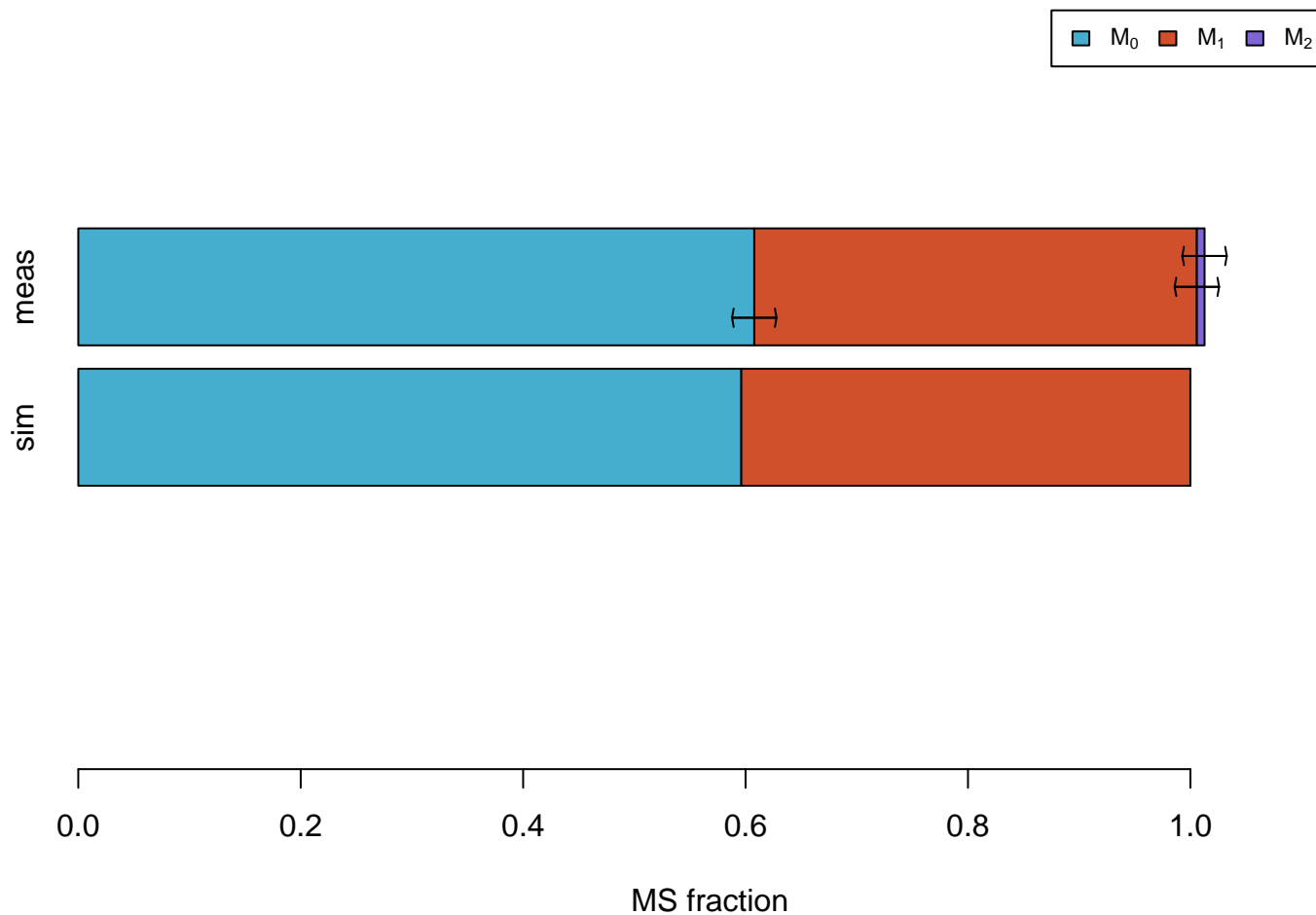
Phe #011111111



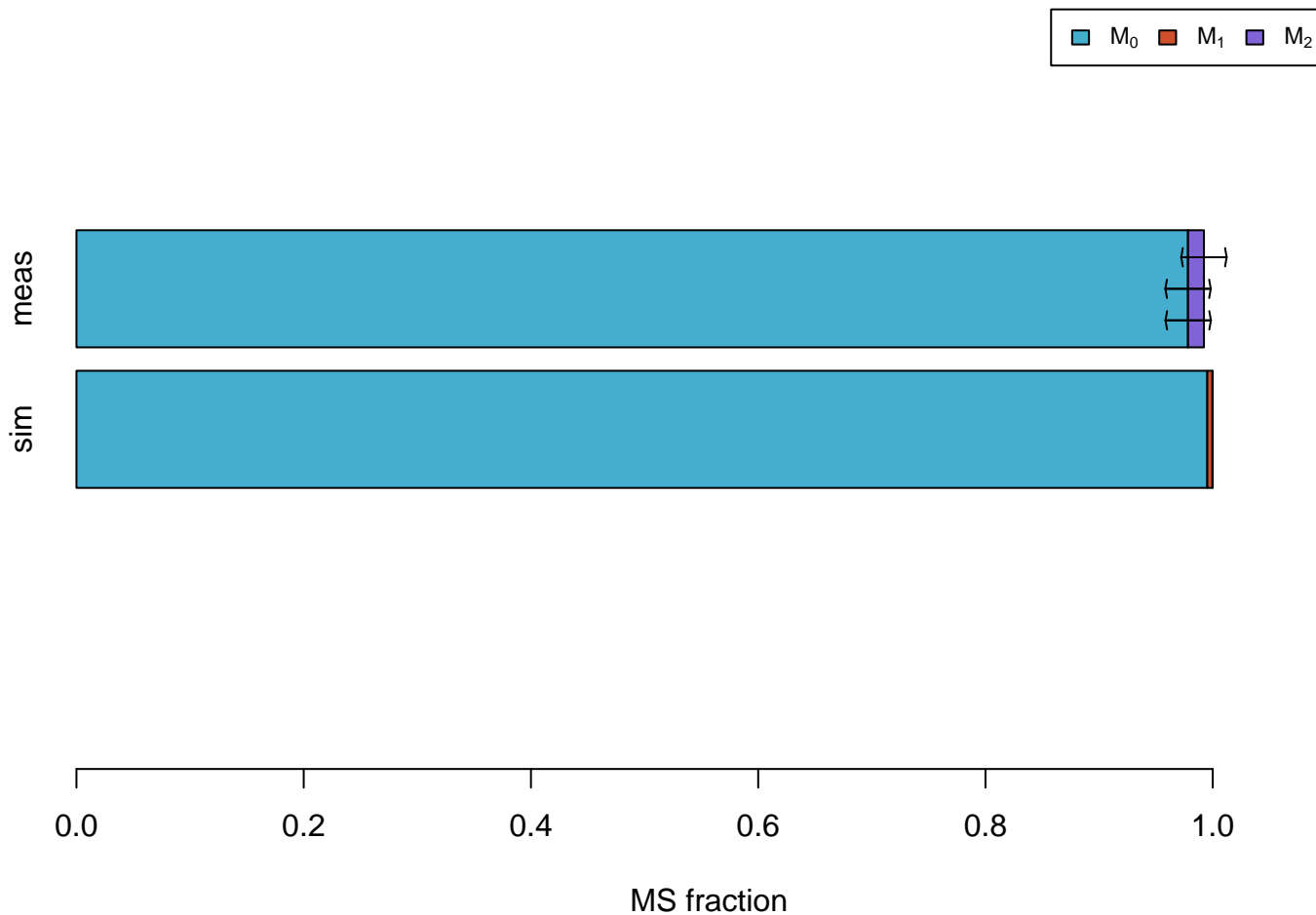
Ser



Ser #011



Tyr #110000000

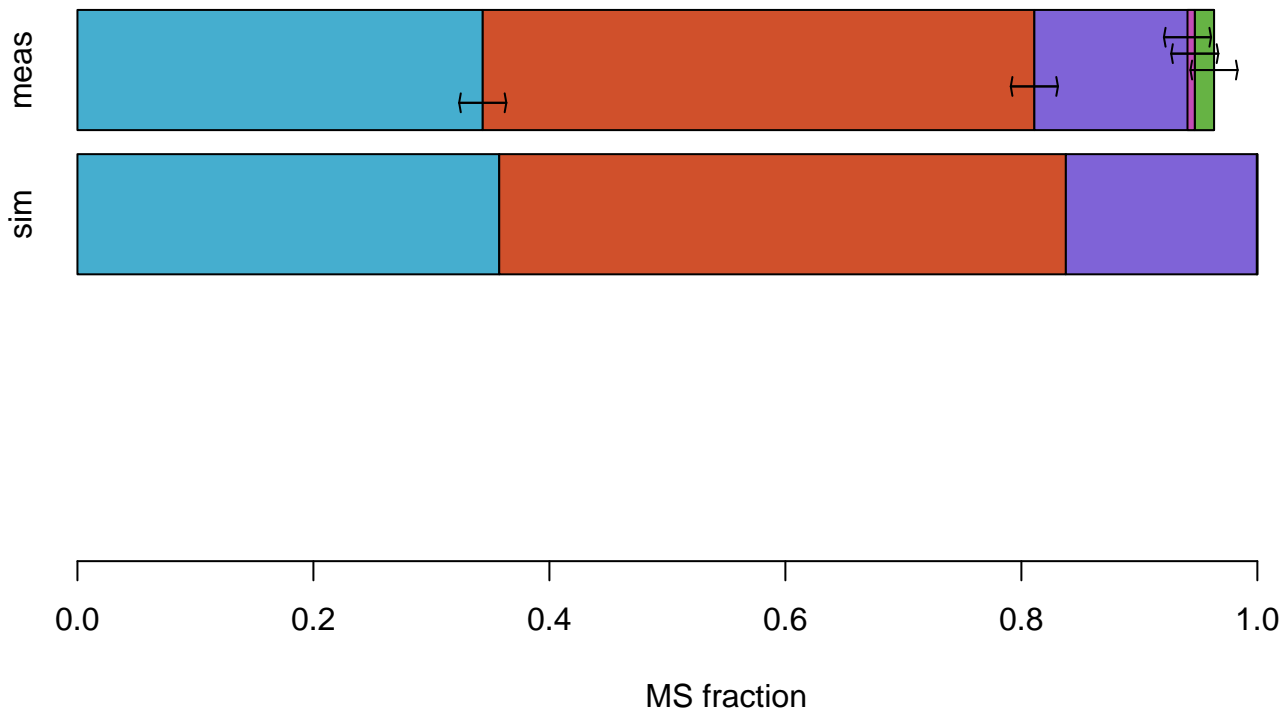


Val



MS fraction

Val #01111



MS simulations

3PG



sim



MS fraction

Ac



sim



0.0

0.2

0.4

0.6

0.8

1.0

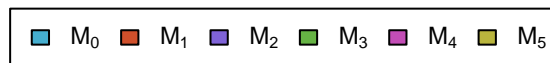
MS fraction

AcCoA



MS fraction

AKG



MS fraction

Asn



sim



MS fraction

CO2



sim



MS fraction

Cys



MS fraction

DHAP



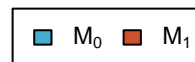
MS fraction

E4P



MS fraction

FTHF



sim



0.0

0.2

0.4

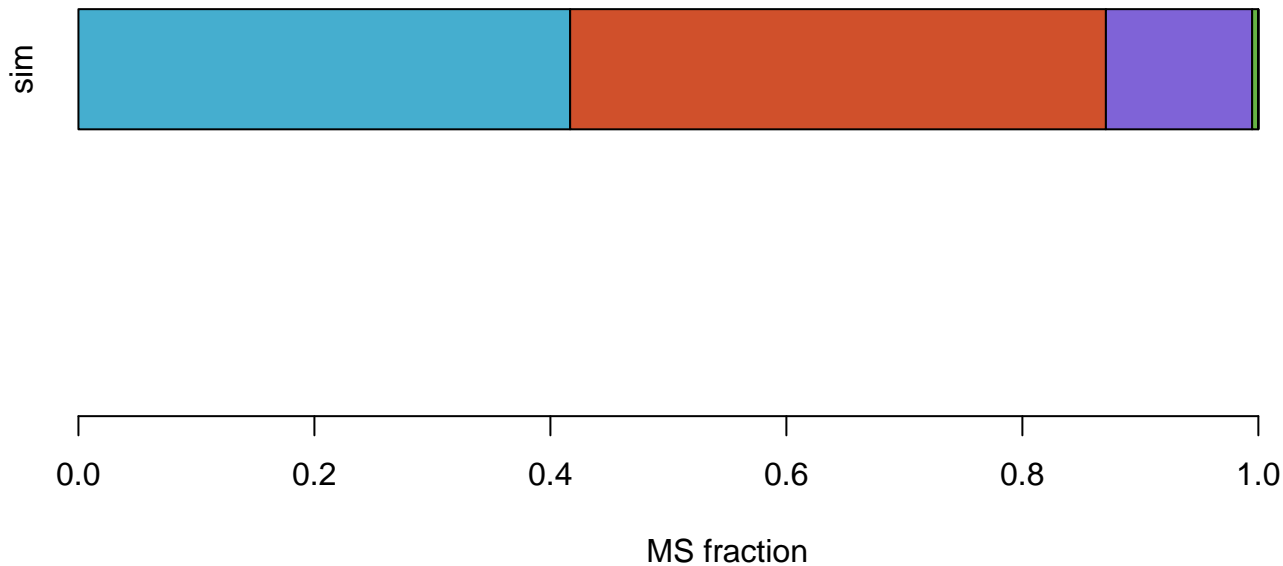
0.6

0.8

1.0

MS fraction

Fum

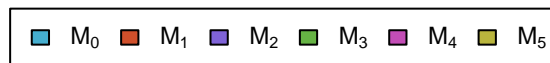


GAP



MS fraction

Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Glyox



sim



MS fraction

Mal



MS fraction

MEETHF



sim



0.0

0.2

0.4

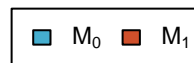
0.6

0.8

1.0

MS fraction

METHF



MS fraction

OAC



sim



MS fraction

PEP



MS fraction

Pro



MS fraction

Pyr

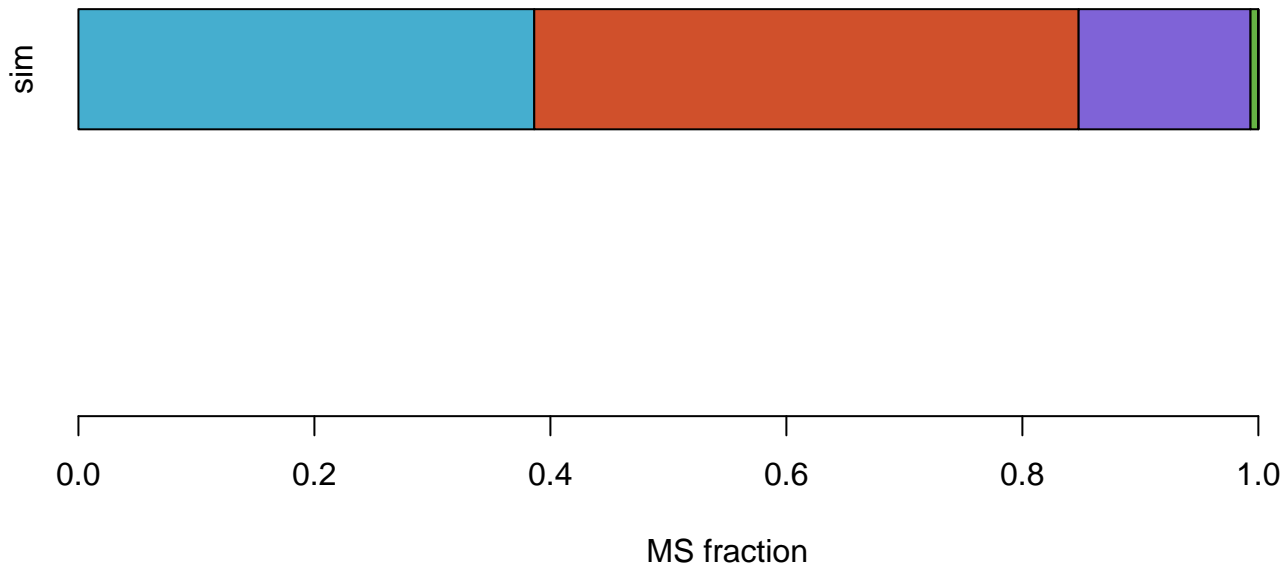


sim



MS fraction

Suc



SucCoA



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

TA-C3



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction