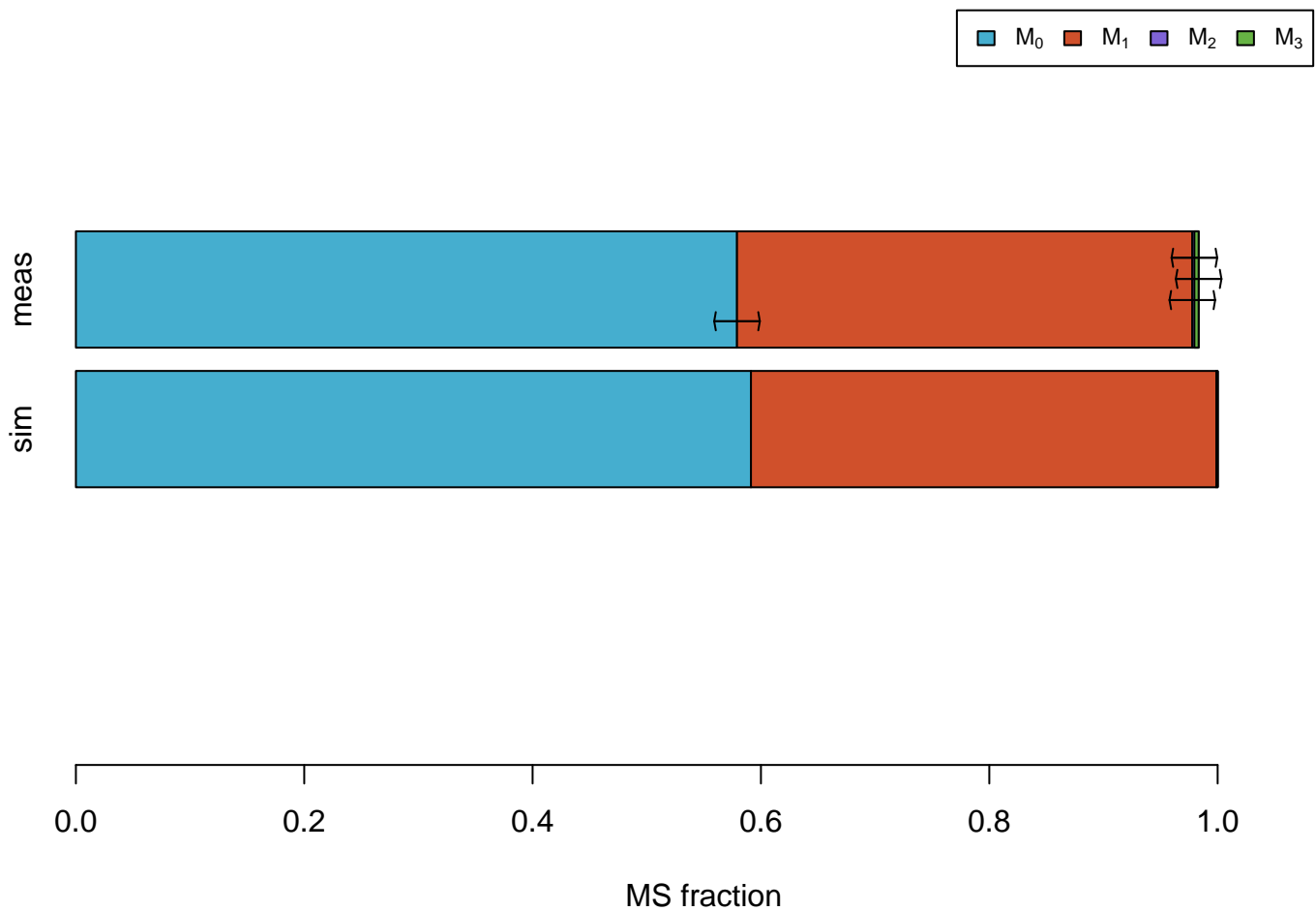
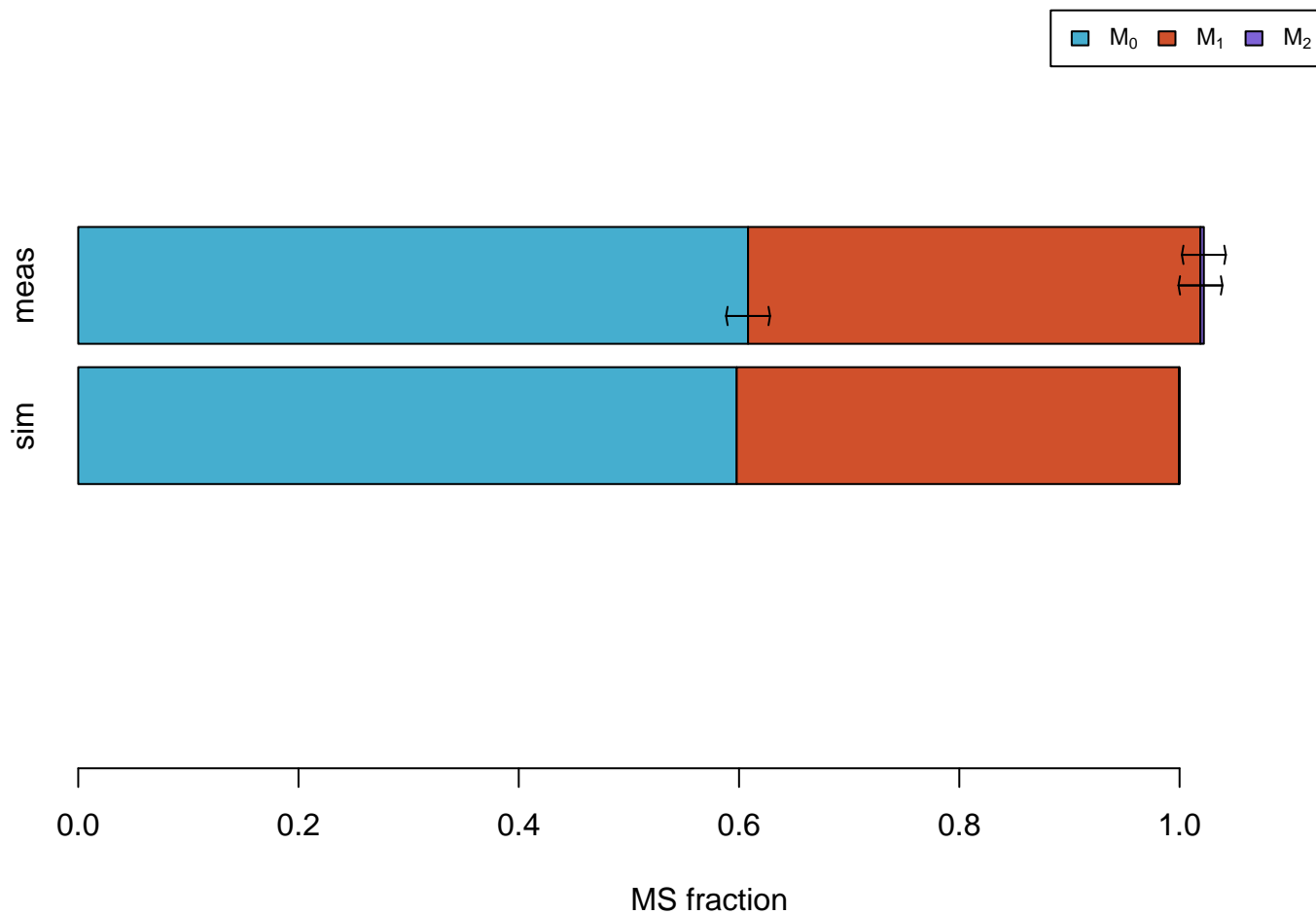


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

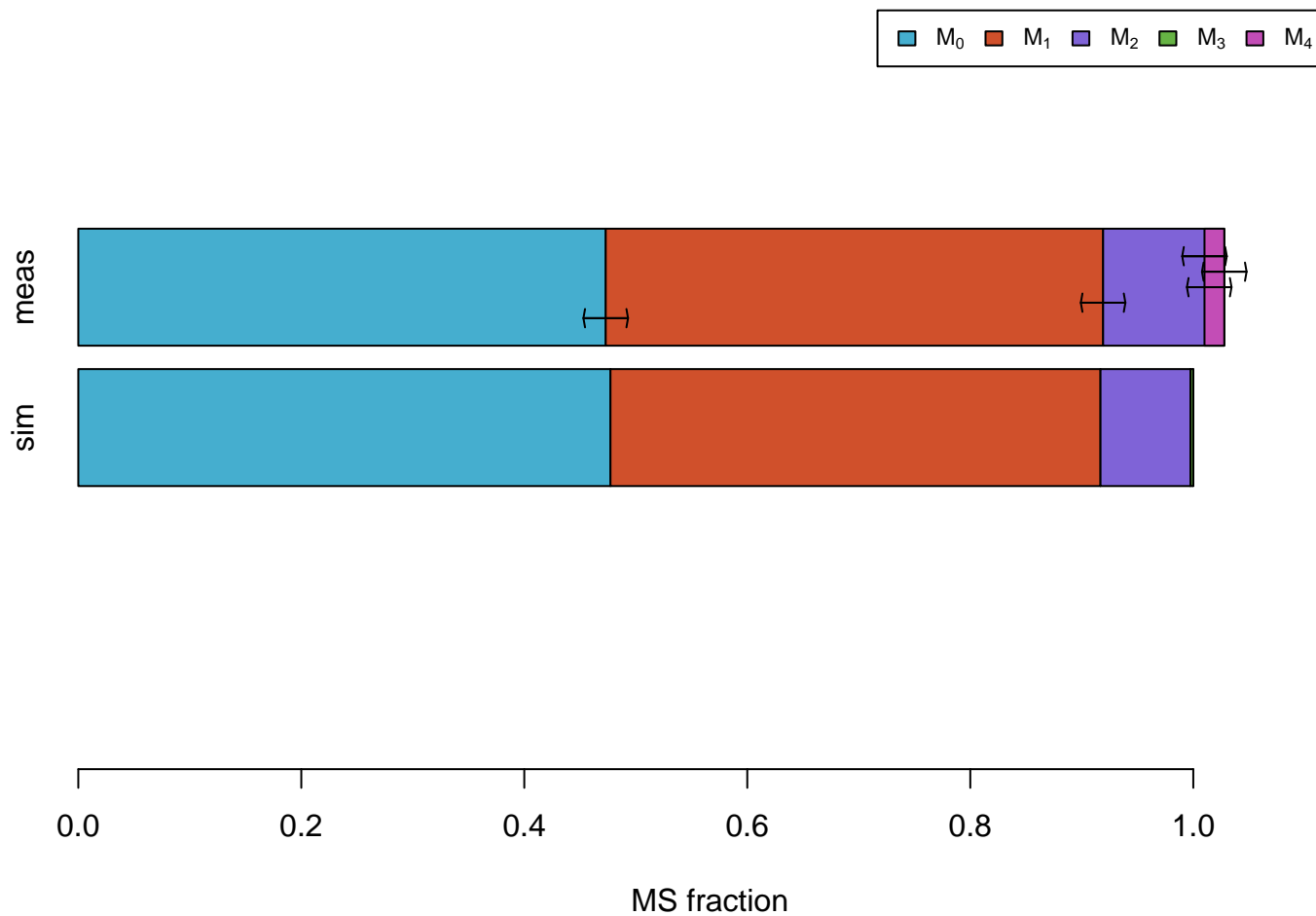
Ala



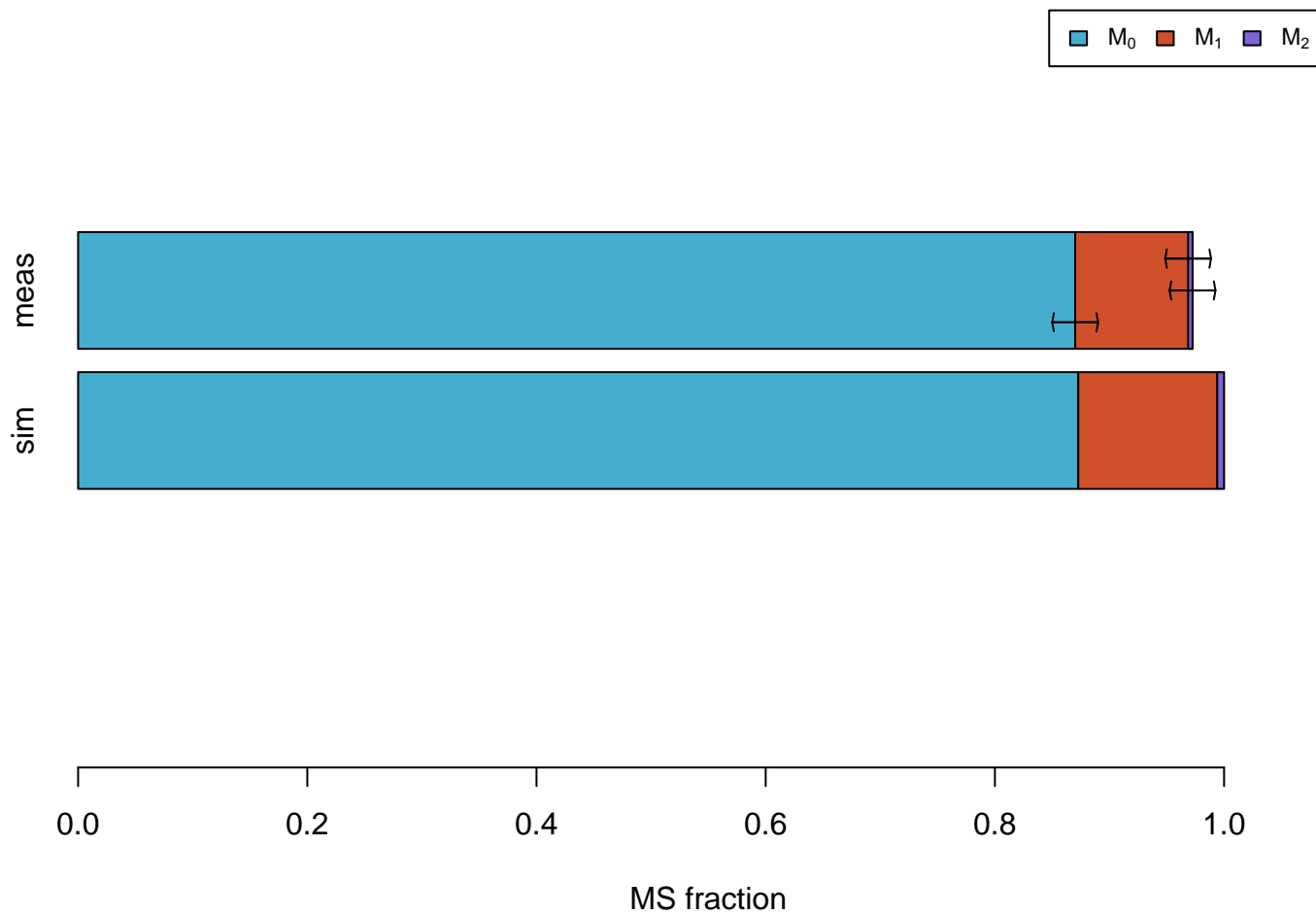
Ala #011



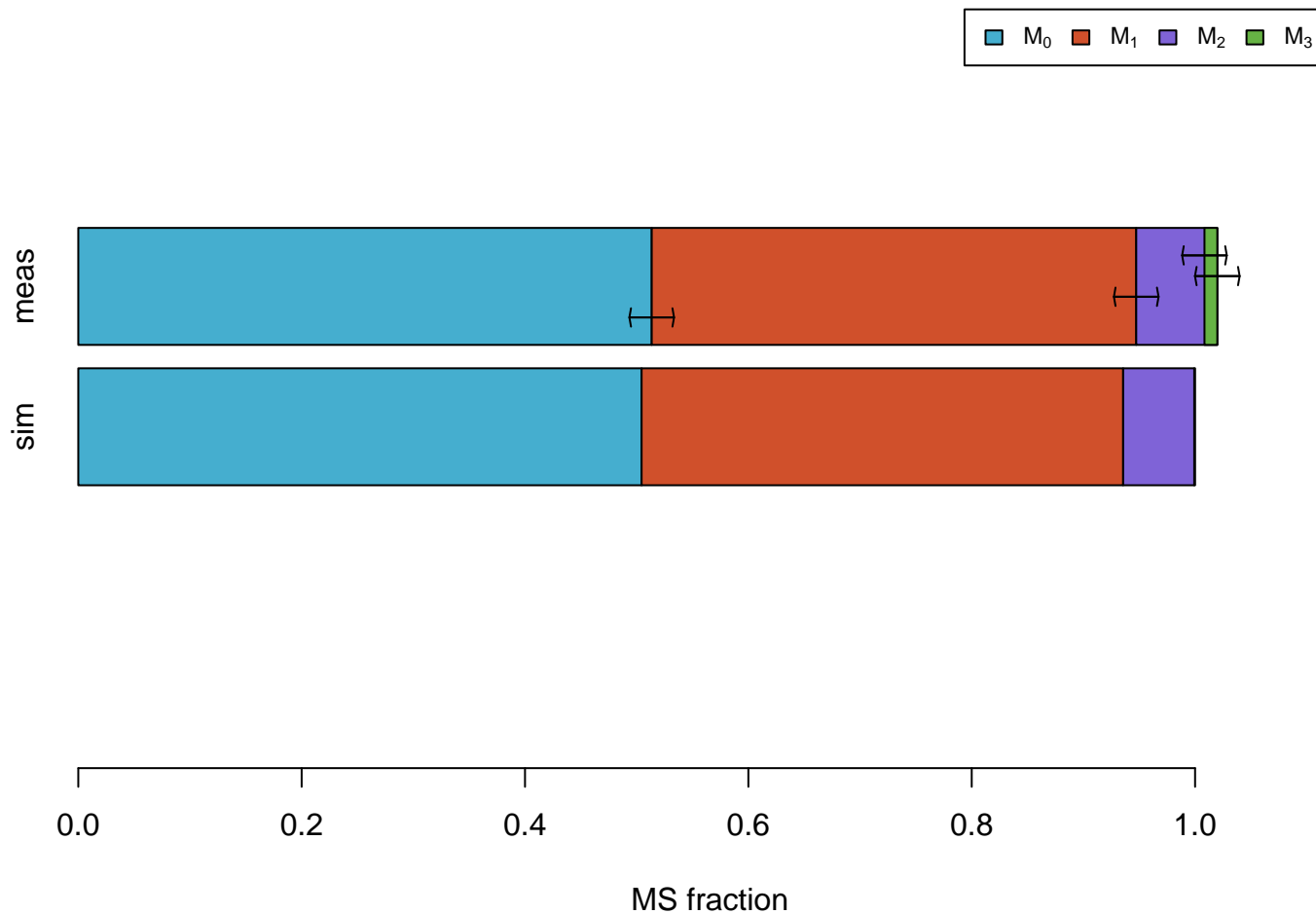
Asp



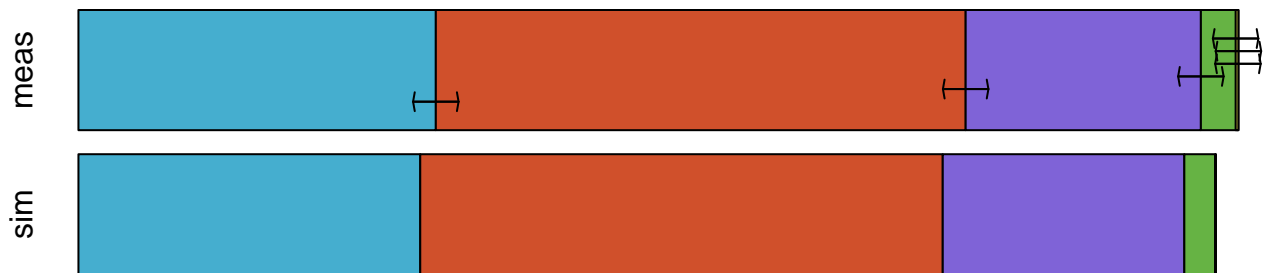
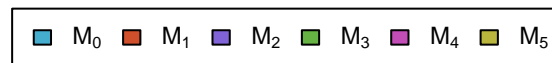
Asp #1100



Asp #0111

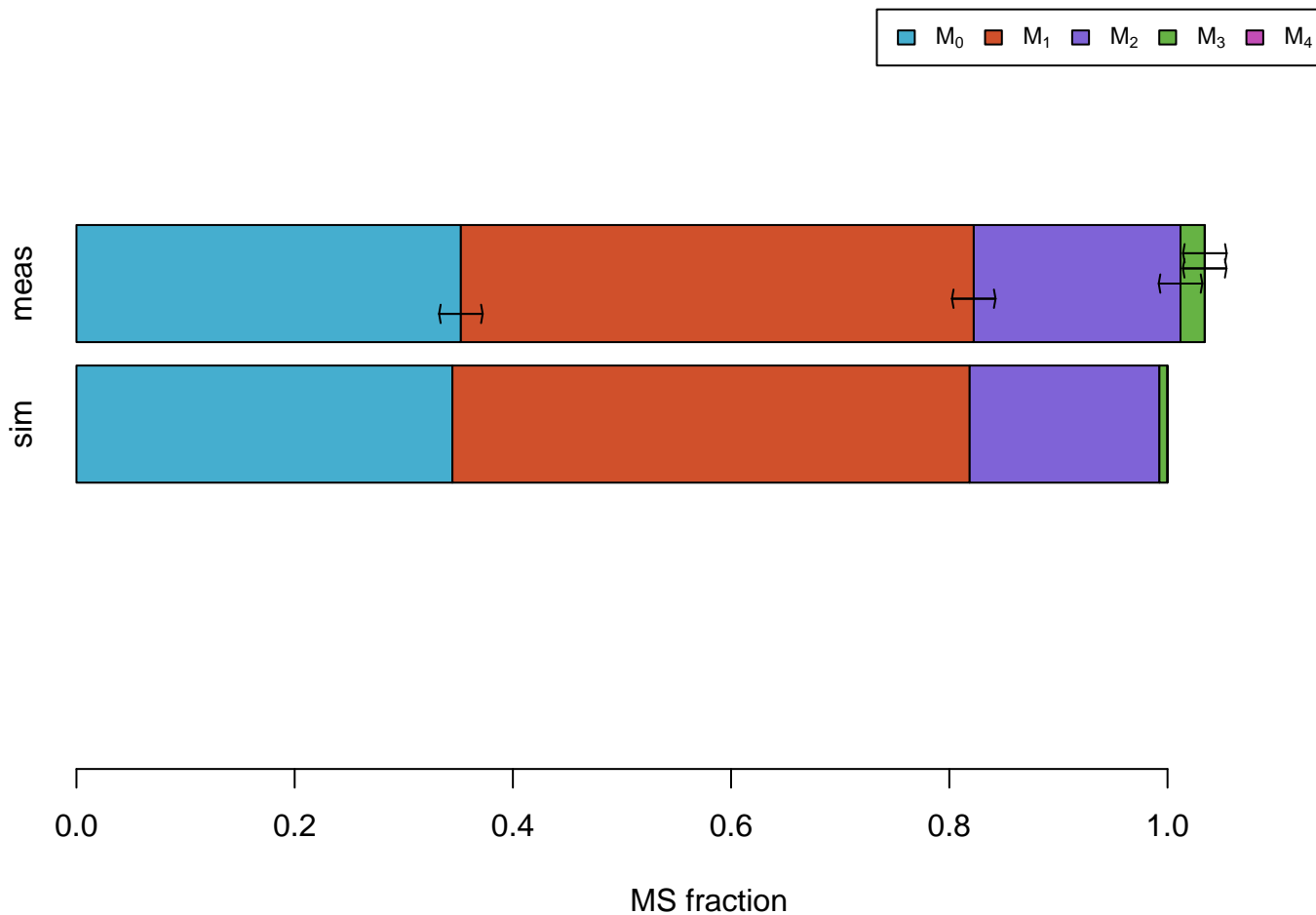


Glu

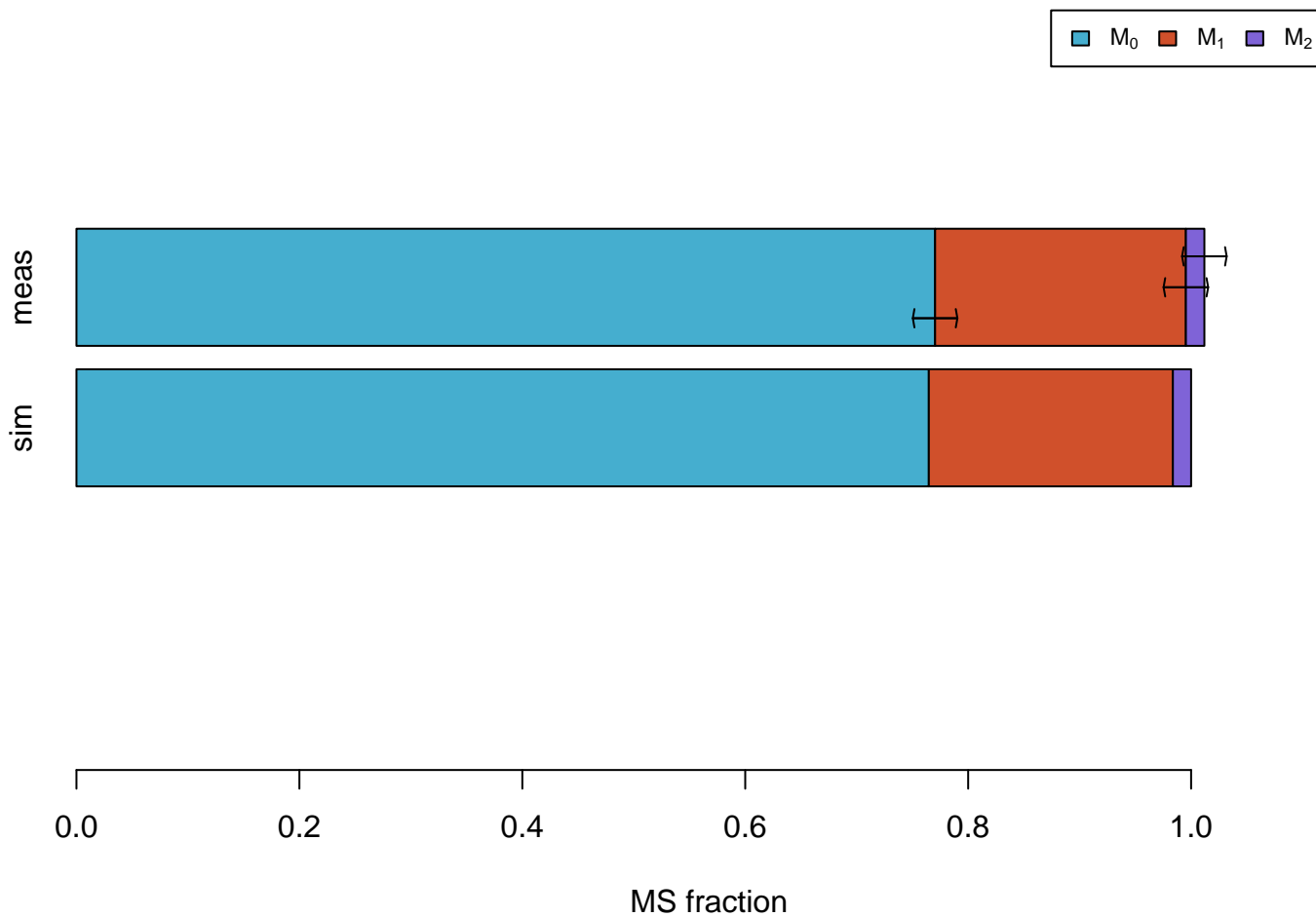


MS fraction

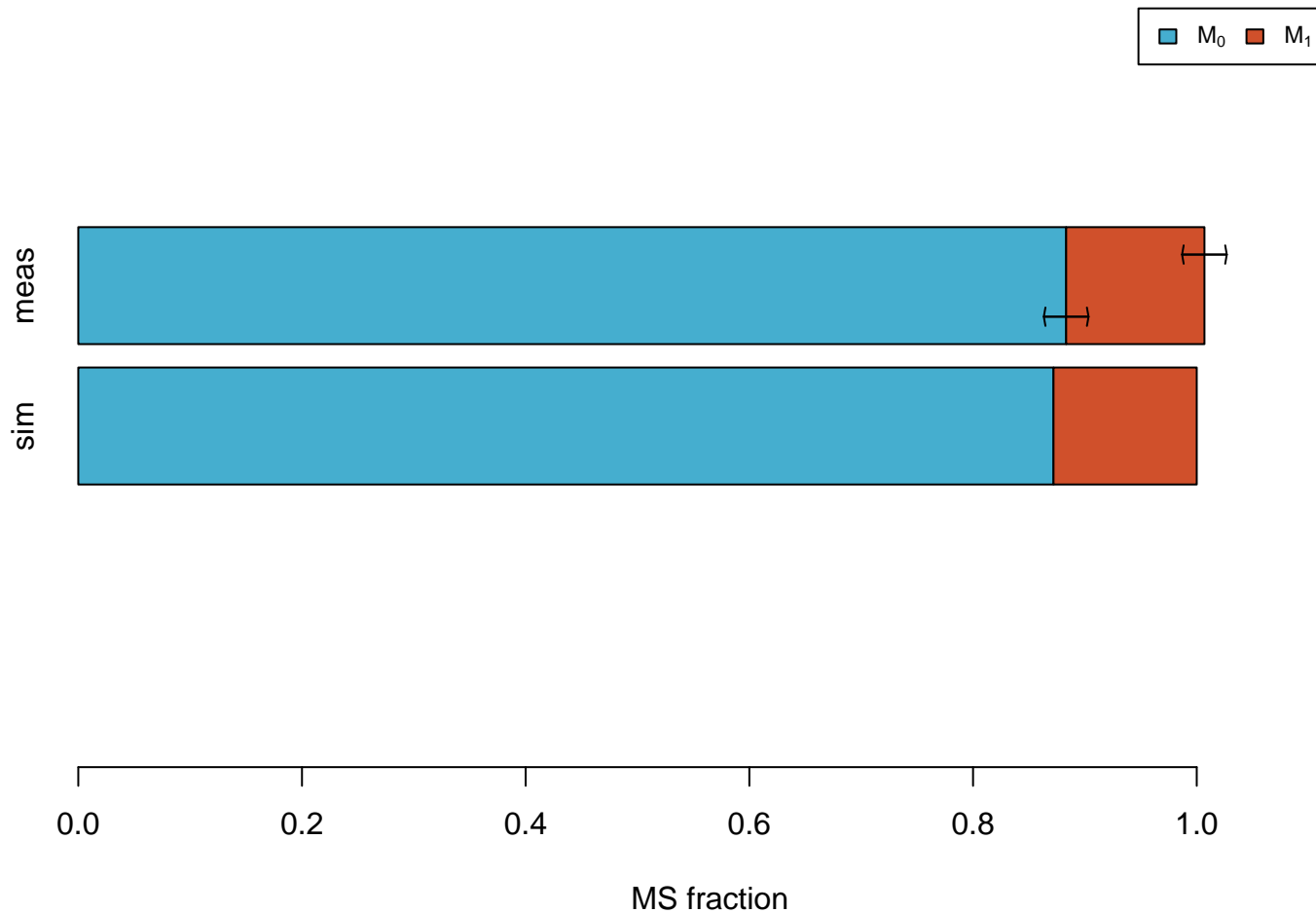
Glu #01111



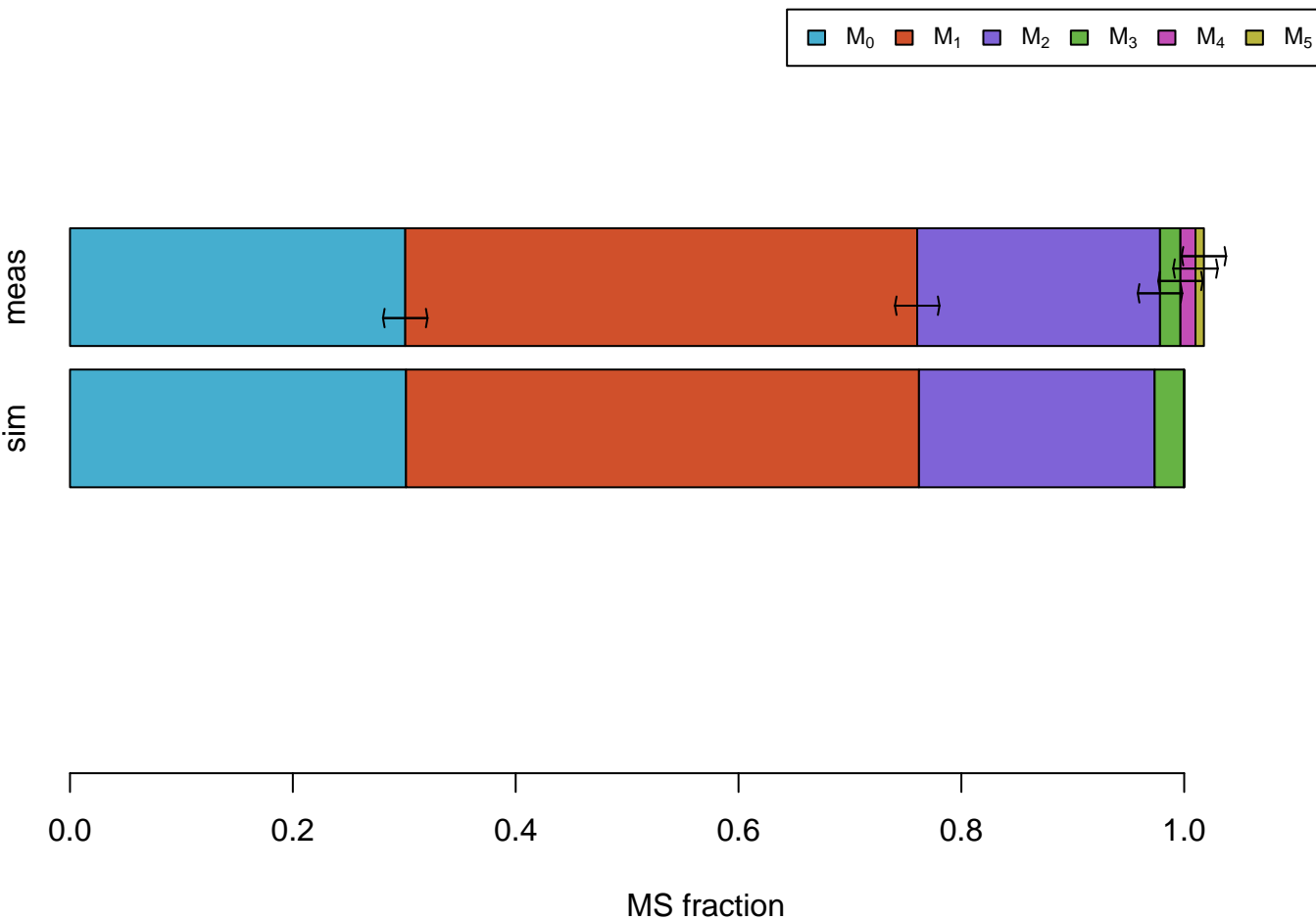
Gly



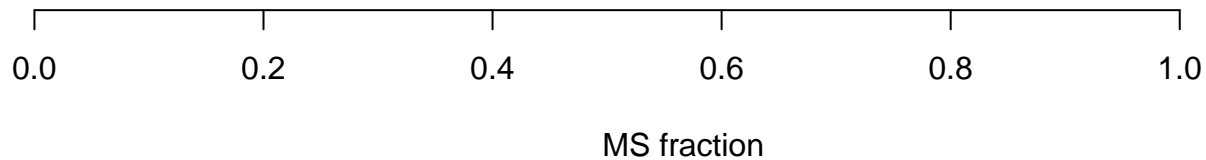
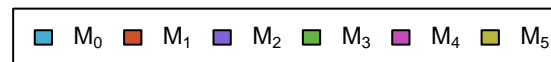
Gly #01



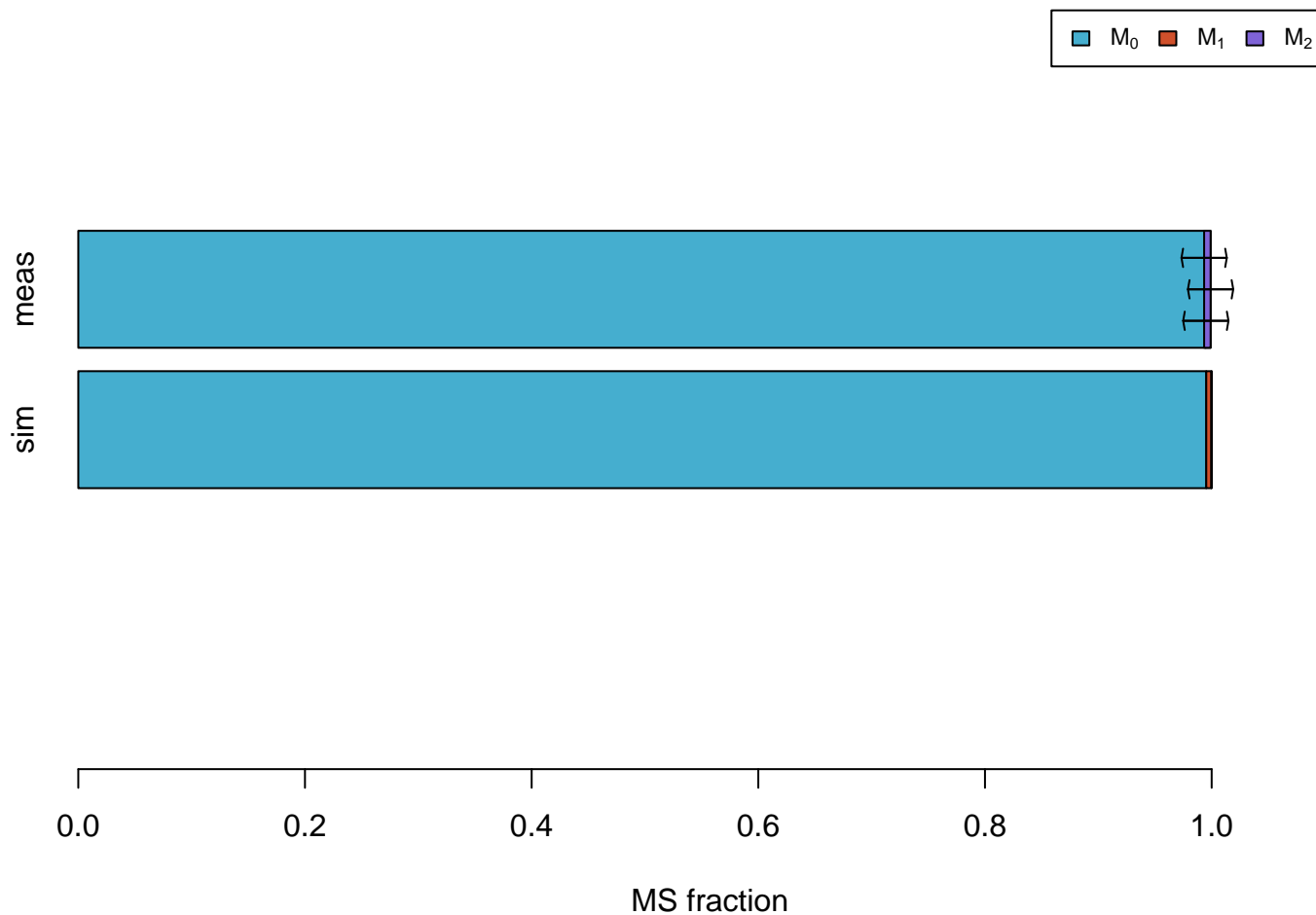
Ile #011111



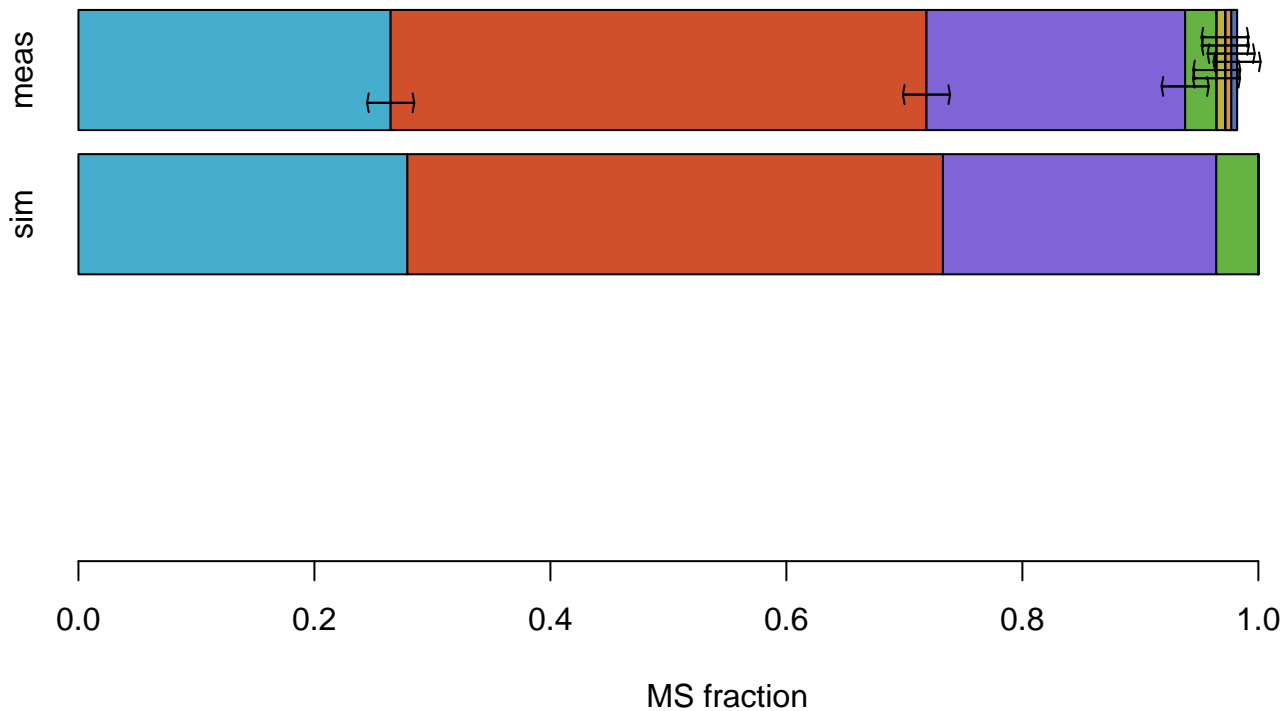
Leu #011111



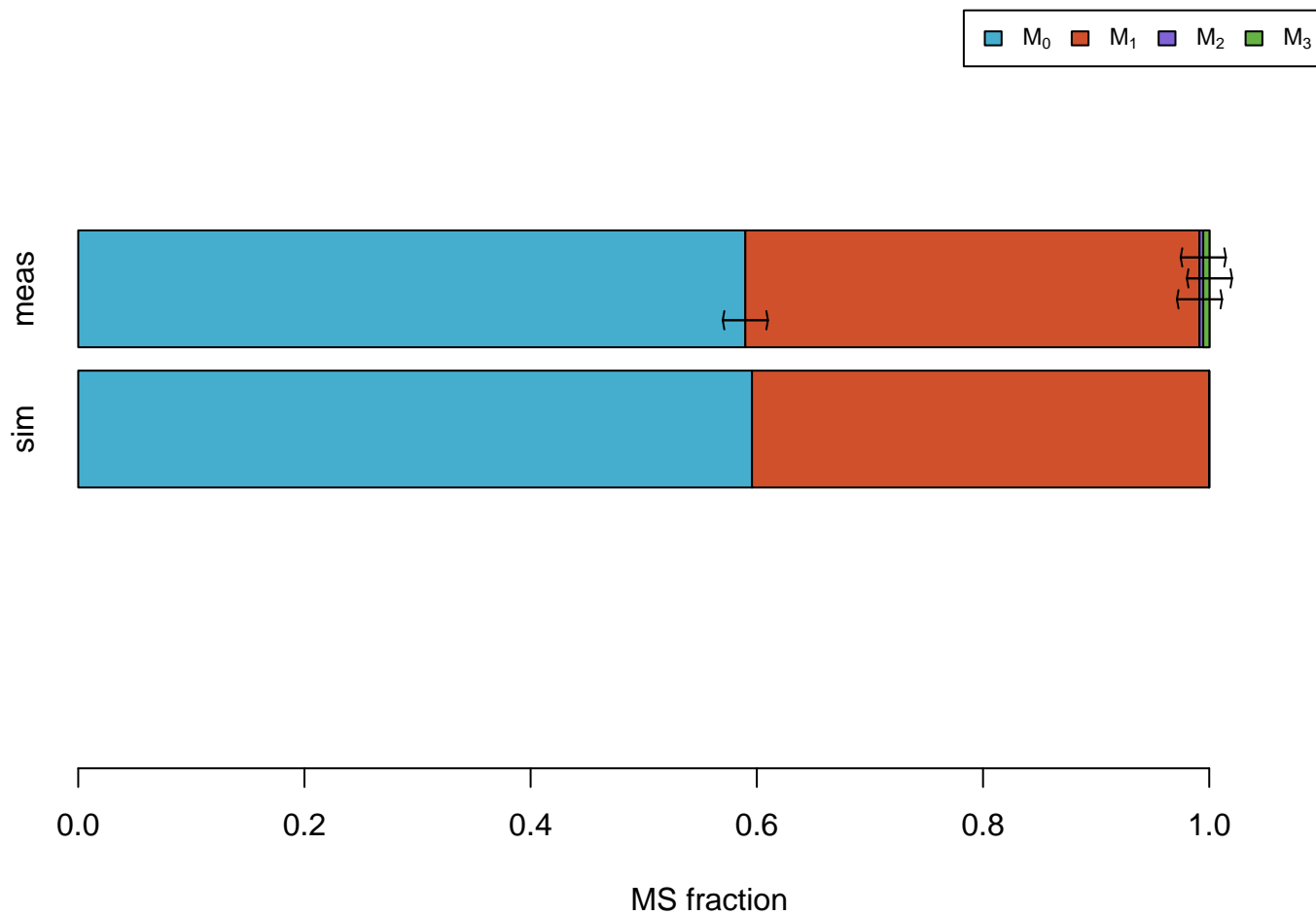
Phe #110000000



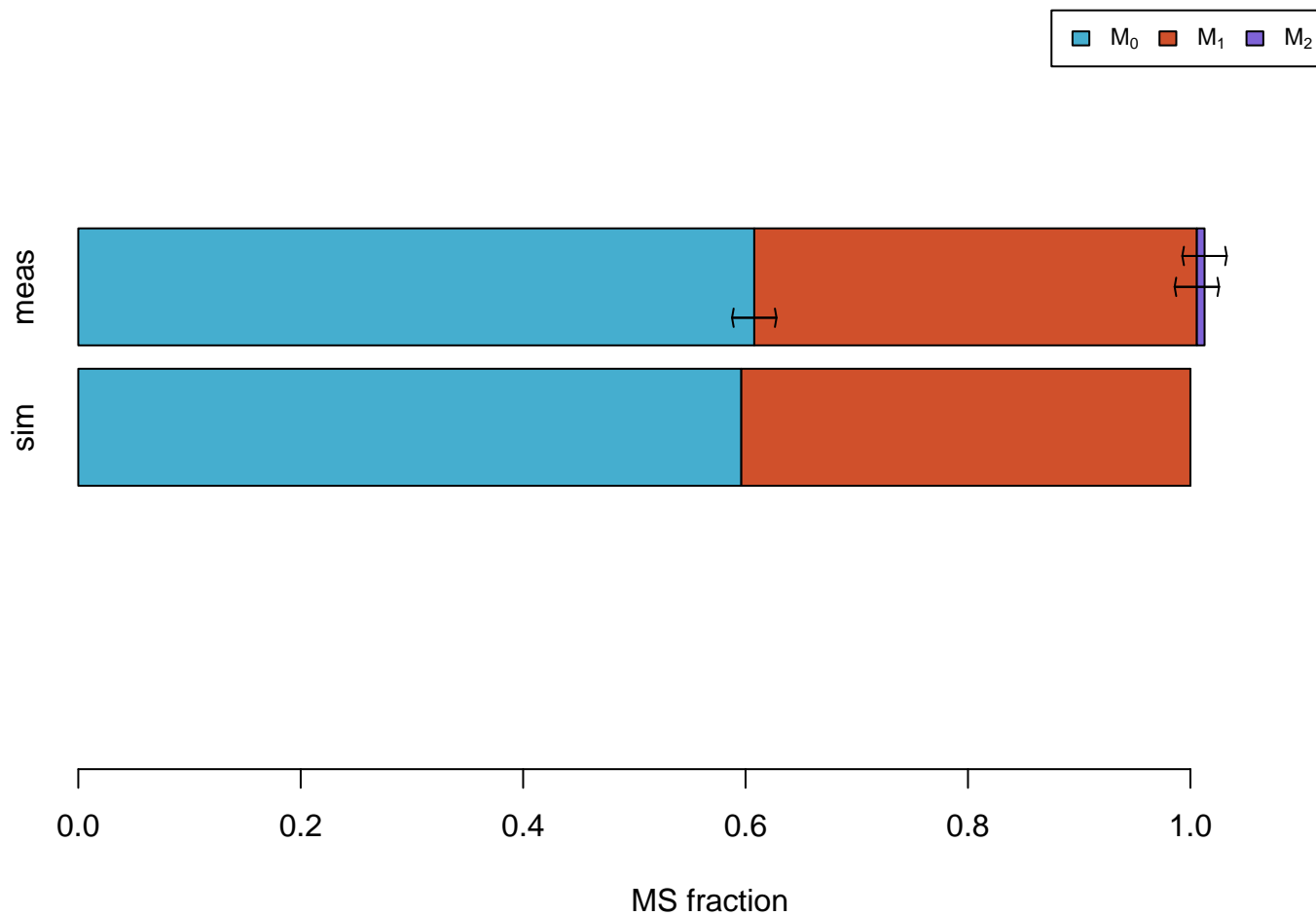
Phe #011111111



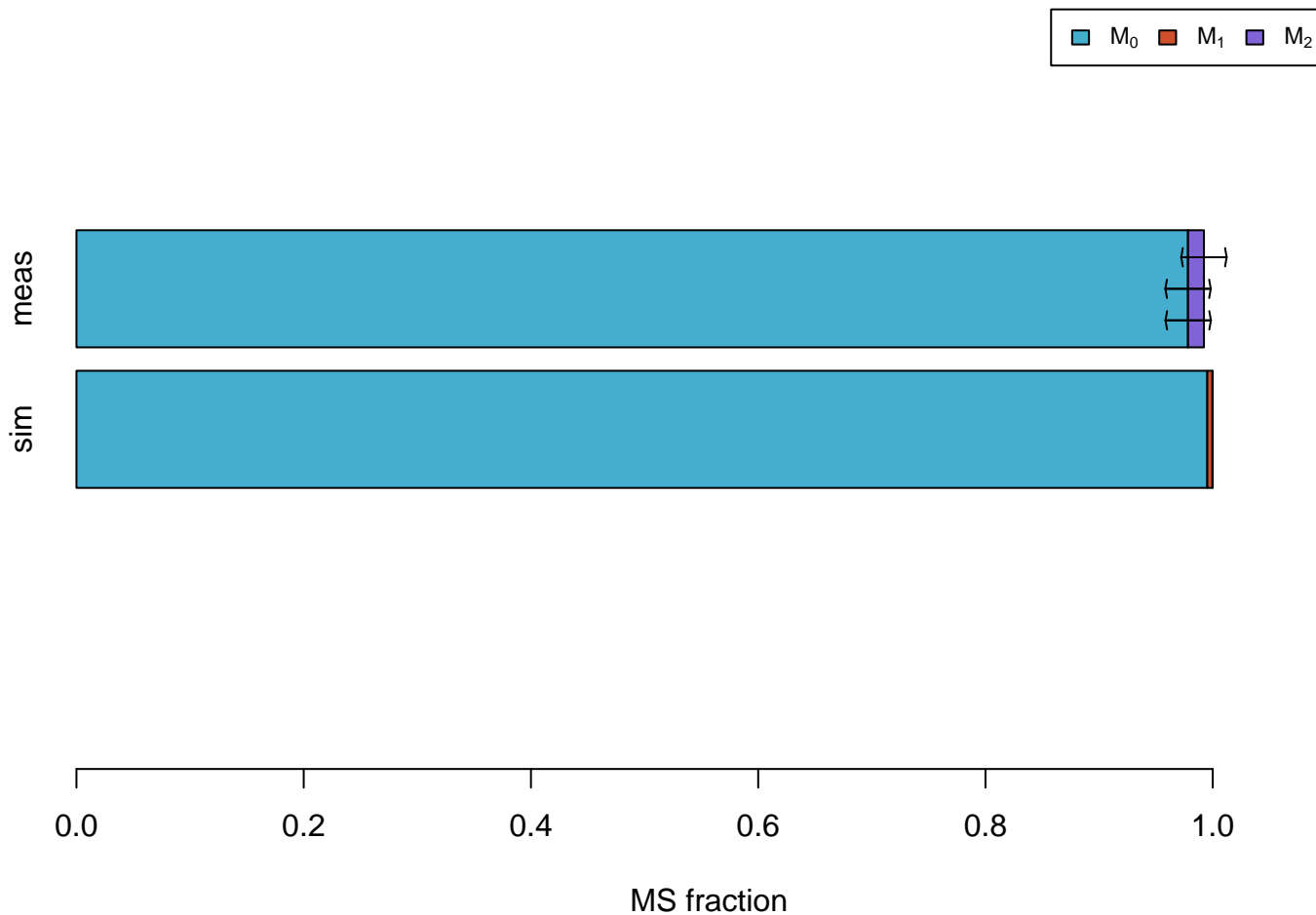
Ser



Ser #011



Tyr #110000000



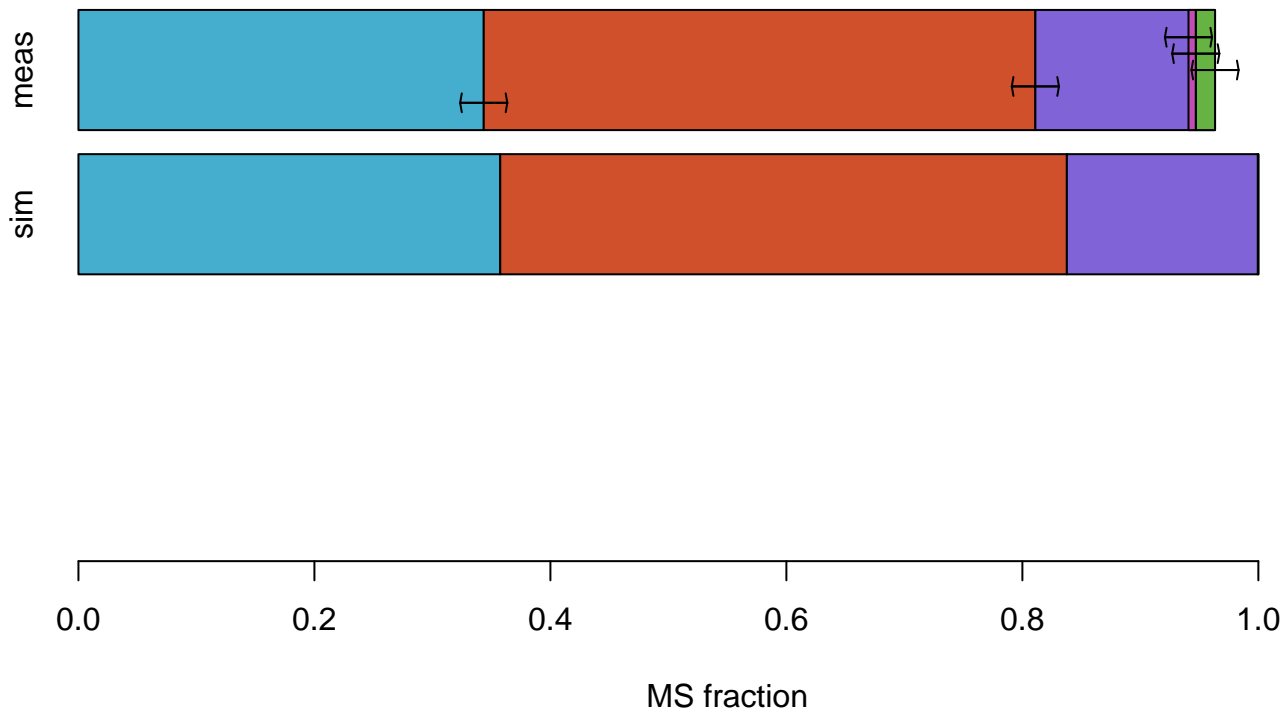
Val



0.0 0.2 0.4 0.6 0.8 1.0

MS fraction

Val #01111



MS simulations

3PG



MS fraction

Ac



sim



0.0

0.2

0.4

0.6

0.8

1.0

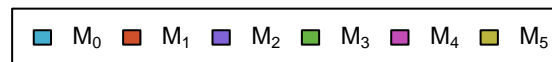
MS fraction

AcCoA



MS fraction

AKG



MS fraction

Asn



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

CO2



sim



MS fraction

Cys



MS fraction

DHAP



MS fraction

E4P



MS fraction

FTHF



sim



MS fraction

Fum



sim



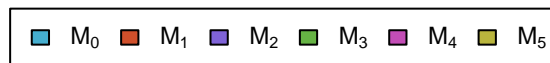
MS fraction

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

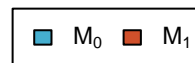
0.6

0.8

1.0

MS fraction

METHF



sim



MS fraction

OAC



sim



MS fraction

PEP



MS fraction

Pro



sim



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