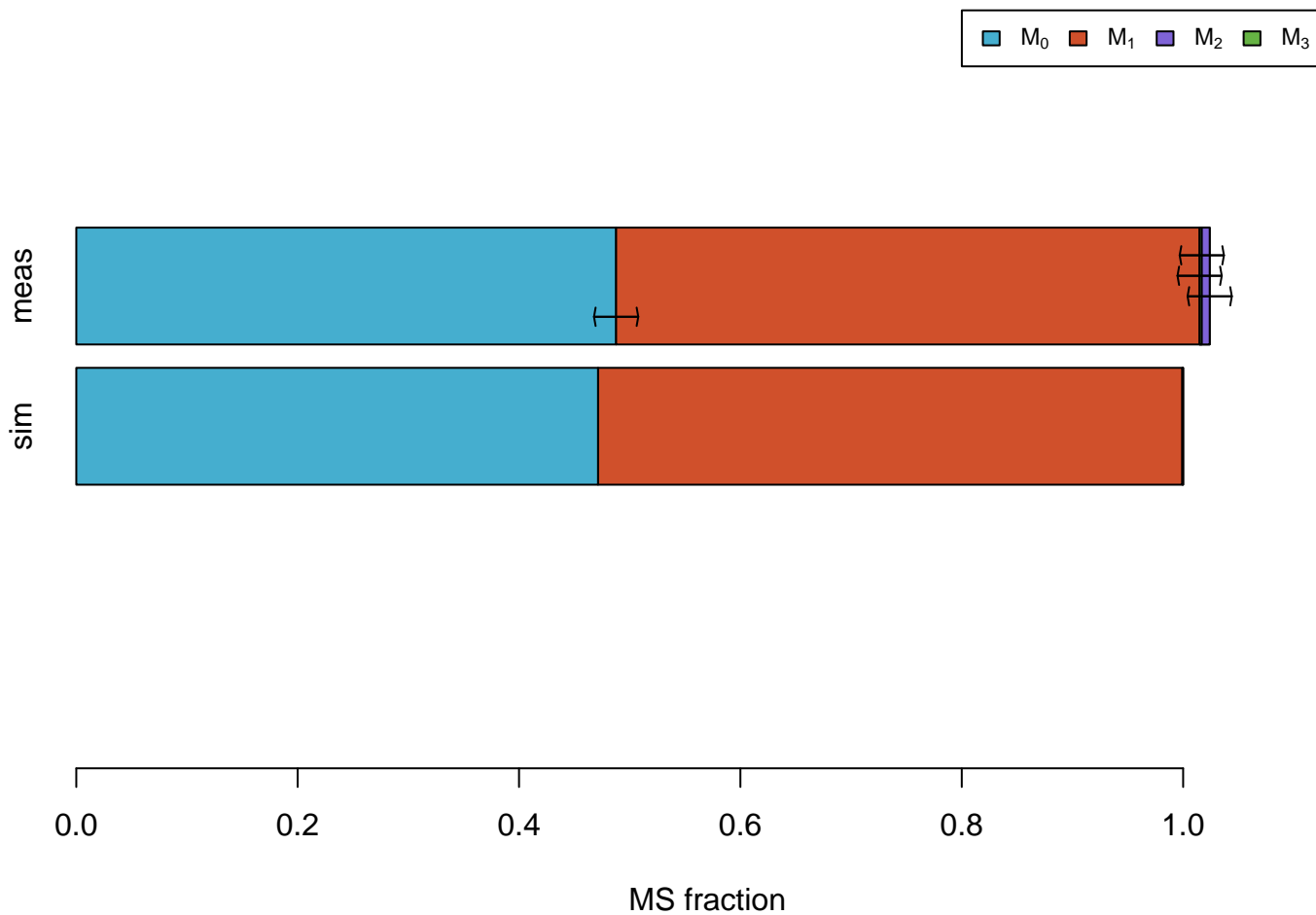
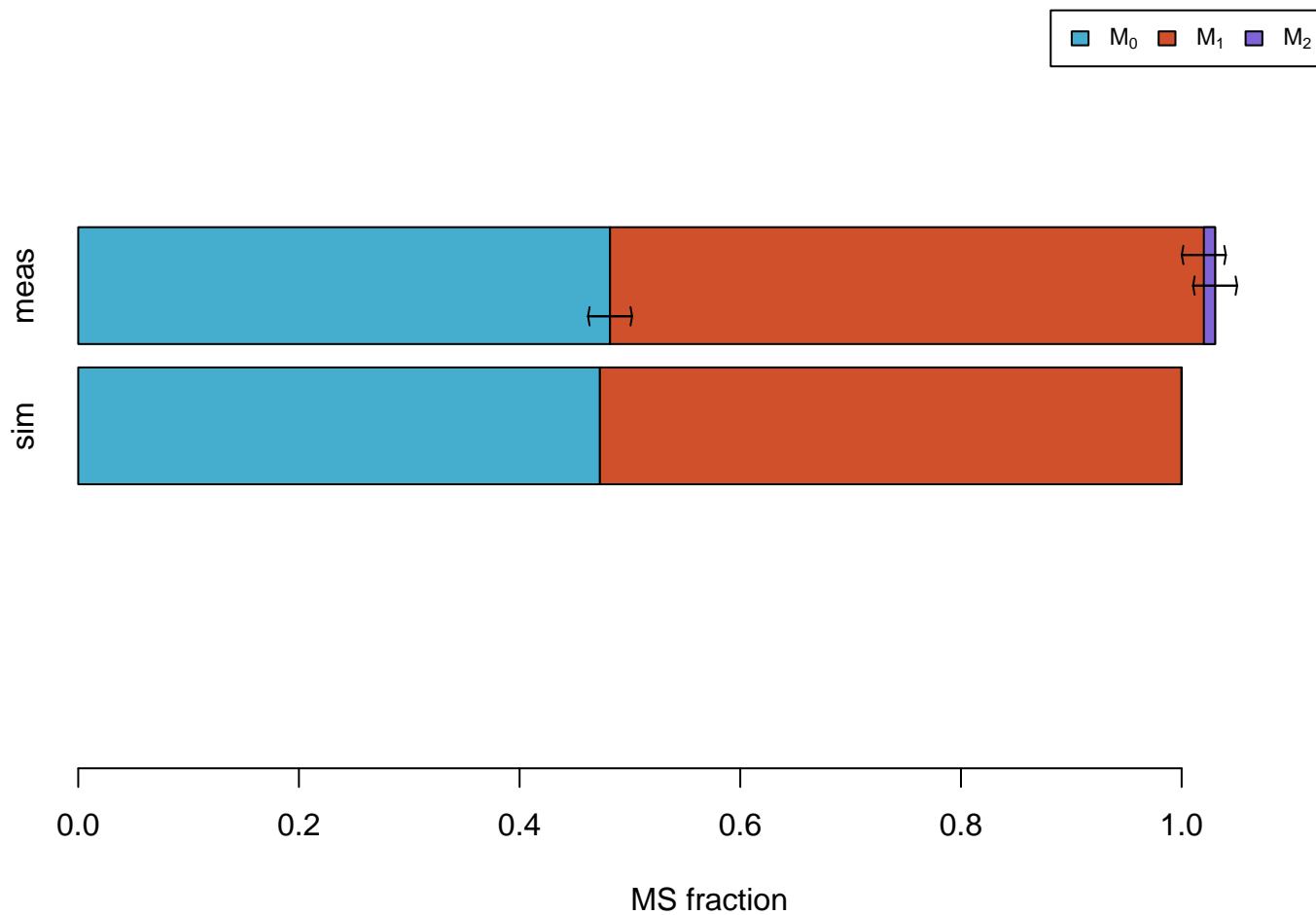


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

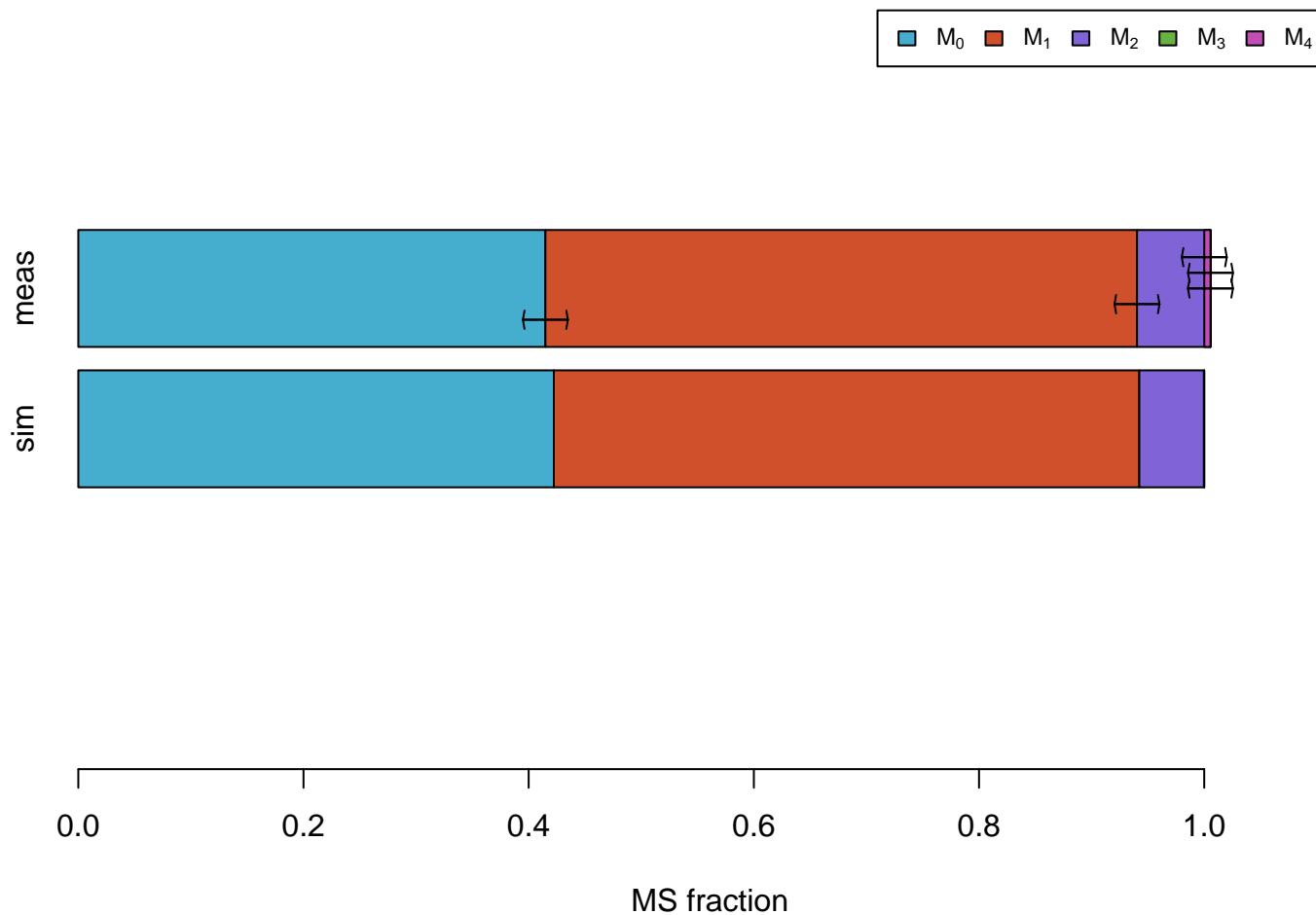
Ala



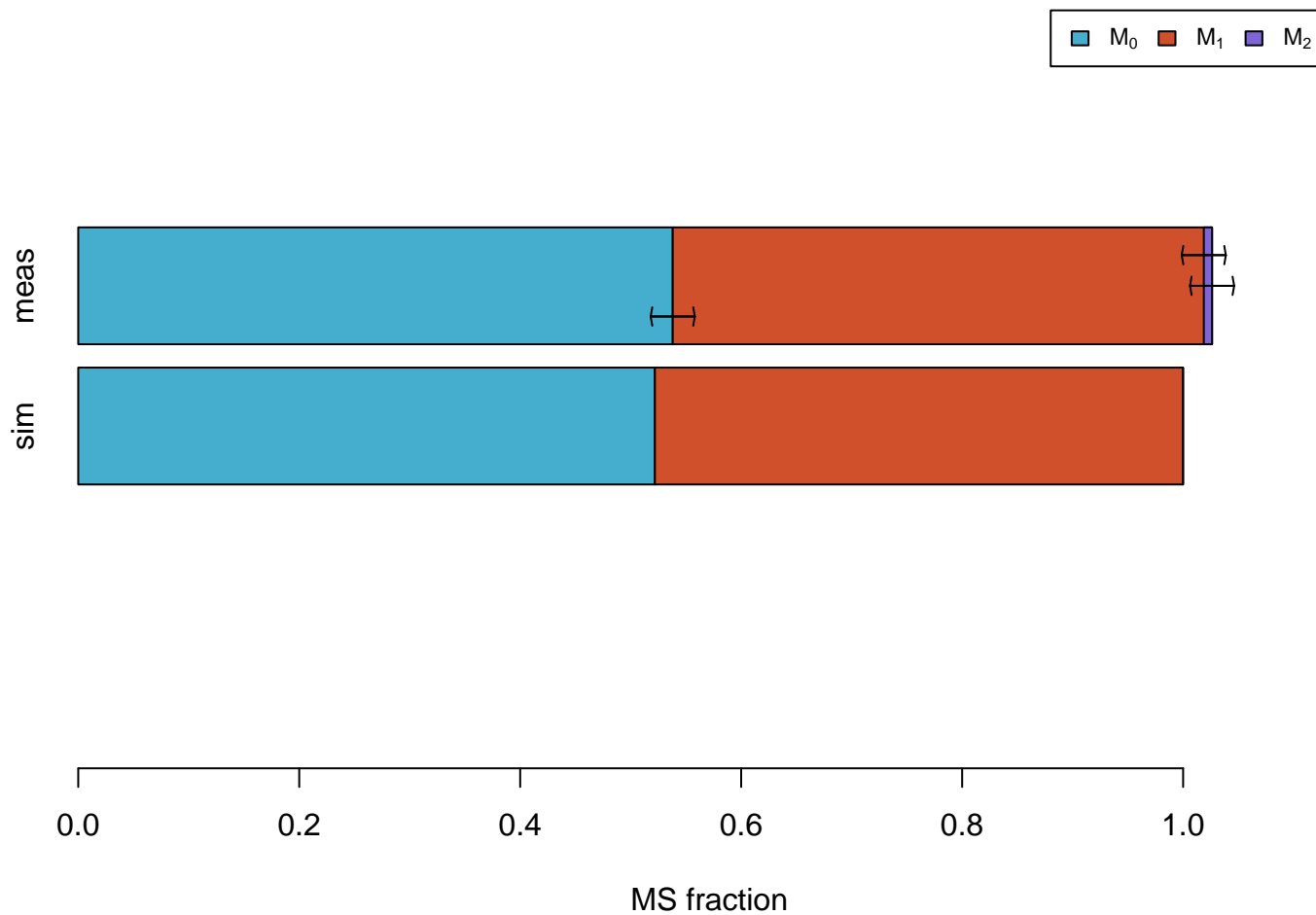
Ala #011



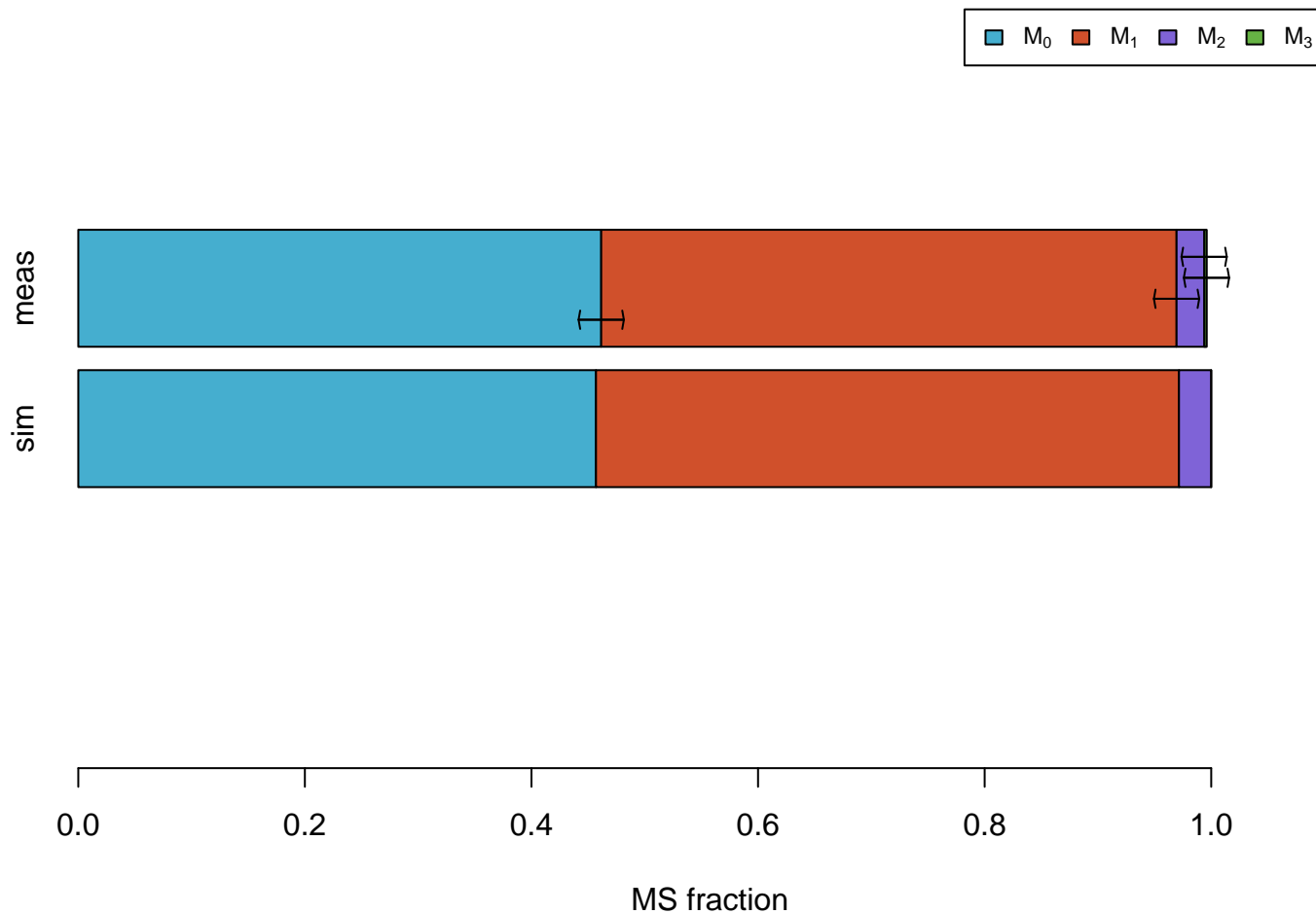
Asp



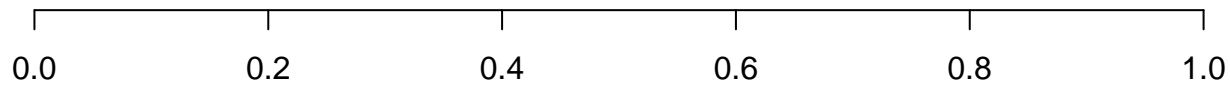
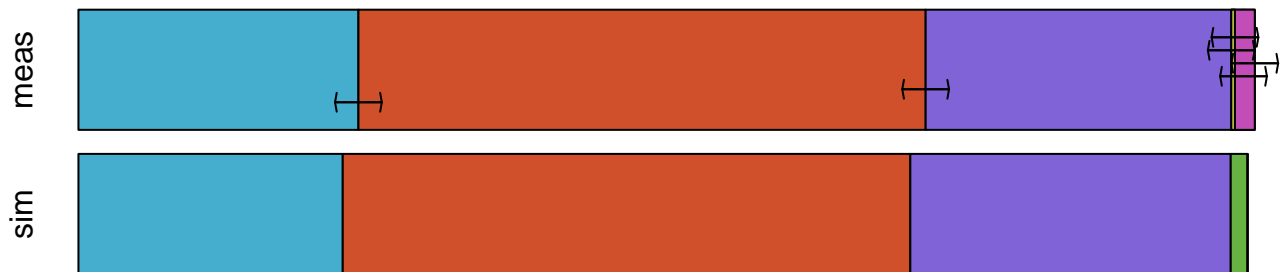
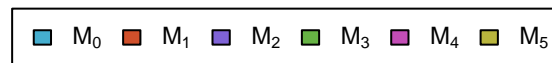
Asp #1100



Asp #0111

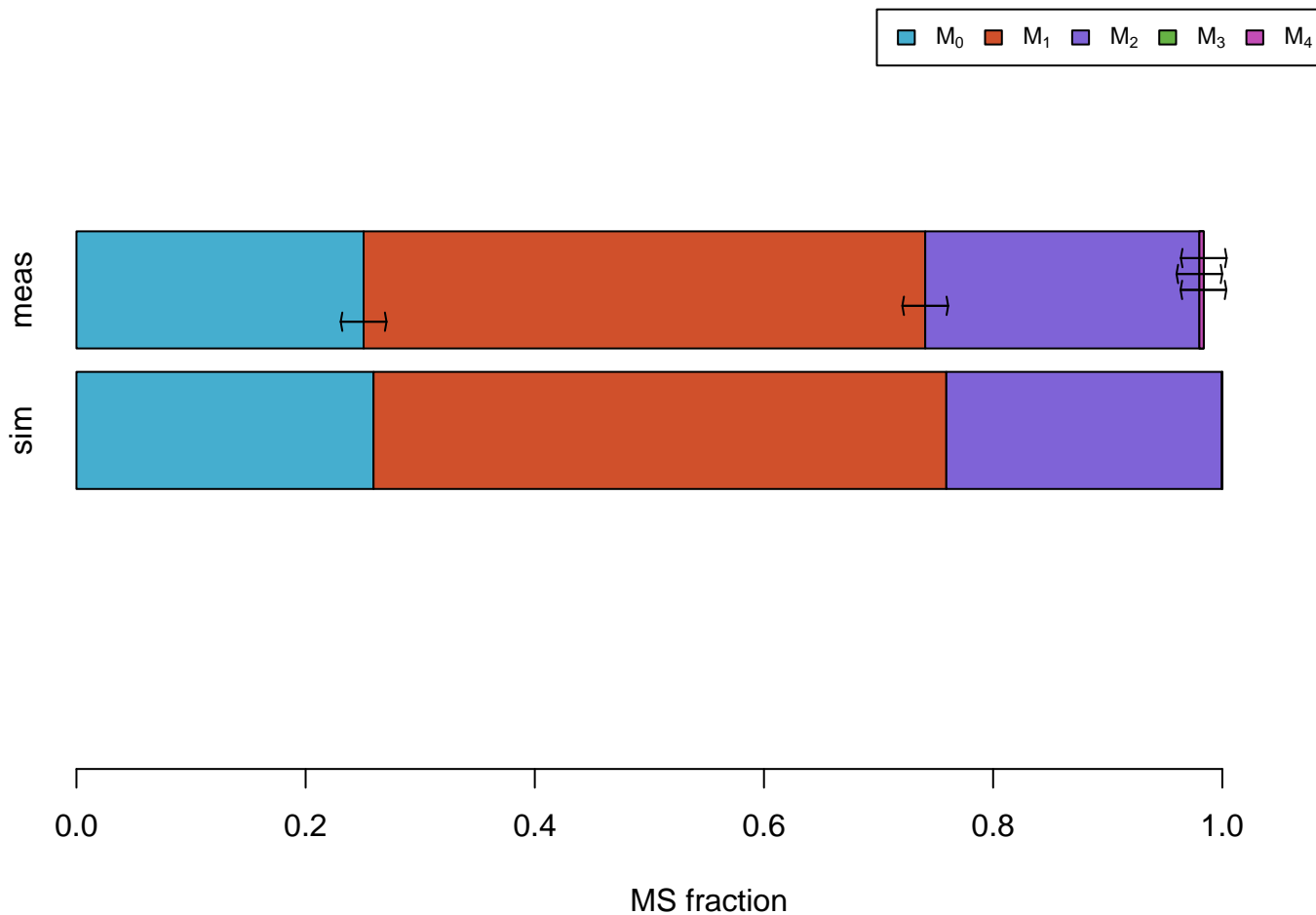


Glu

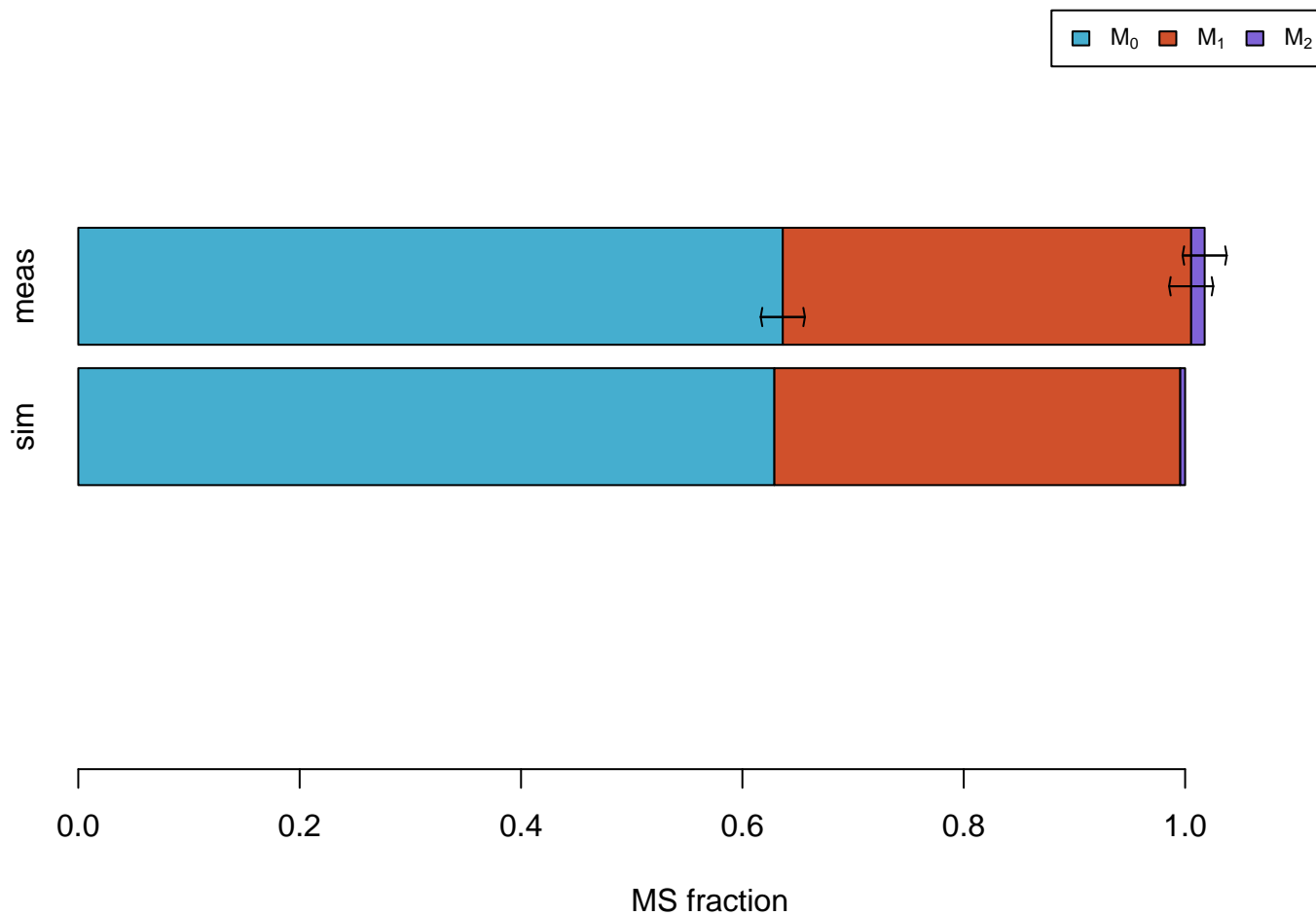


MS fraction

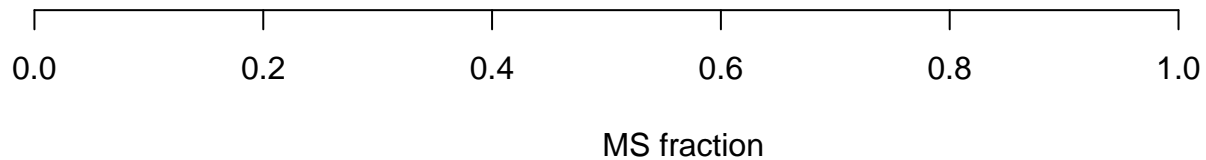
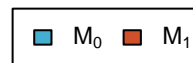
Glu #01111



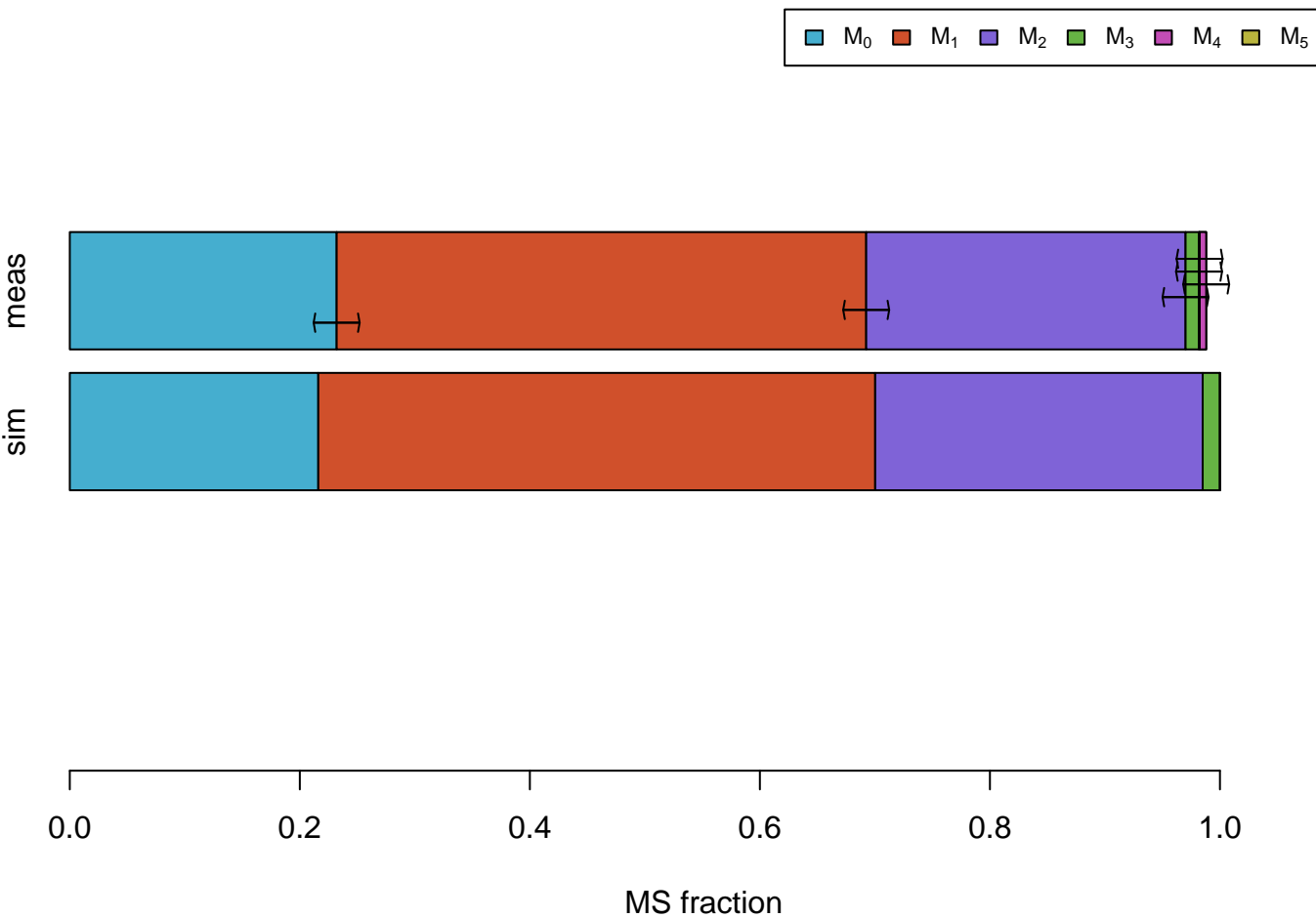
Gly



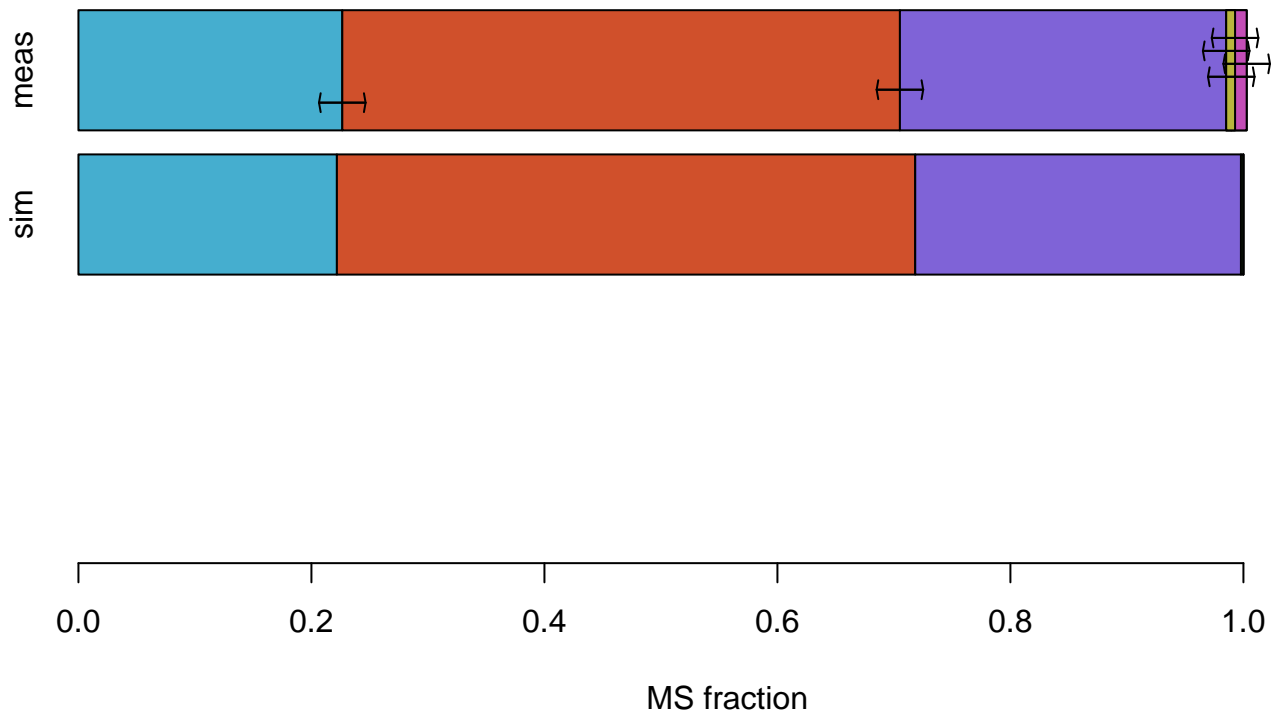
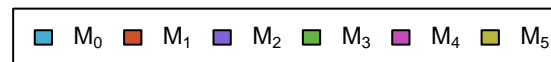
Gly #01



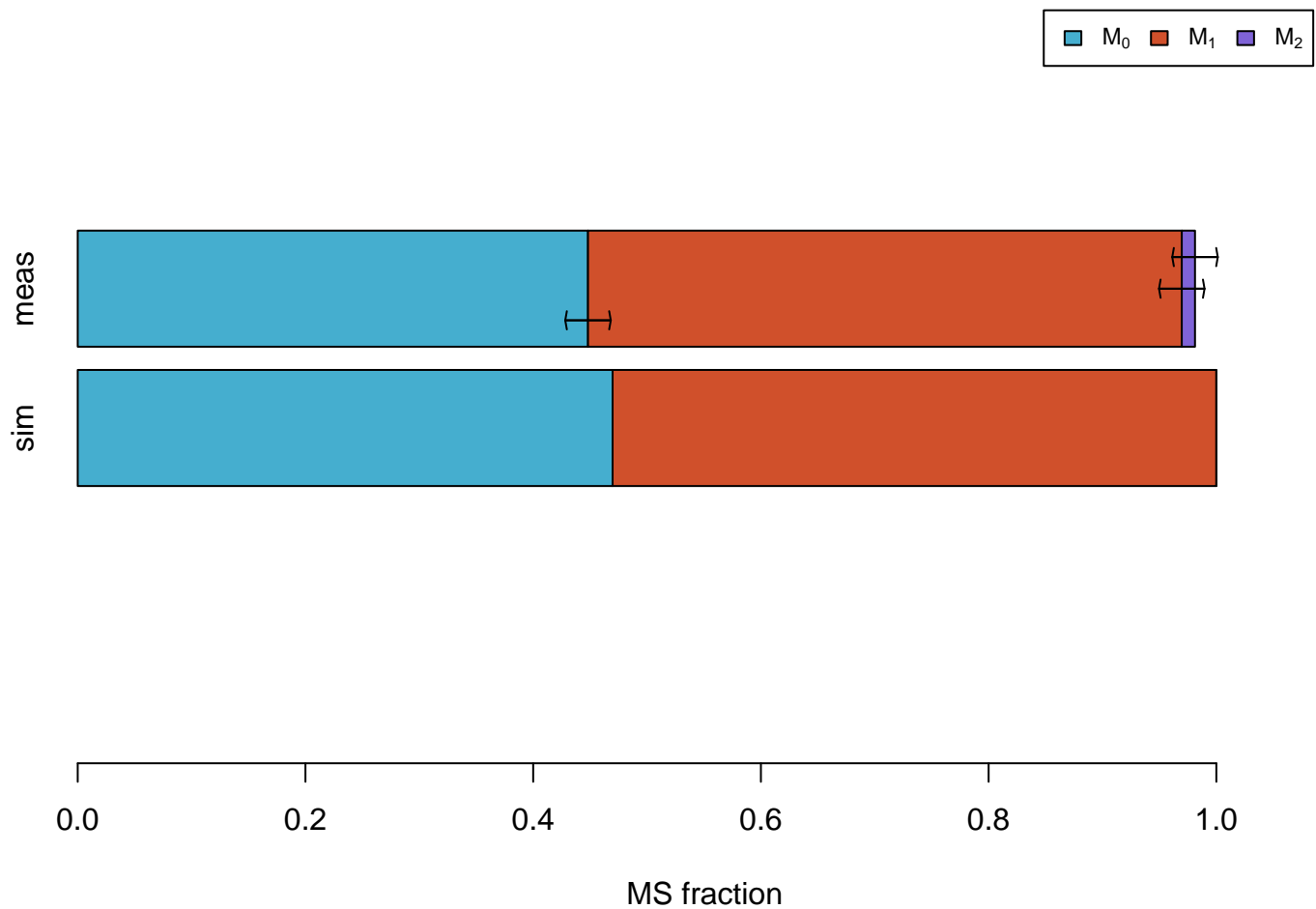
Ile #011111



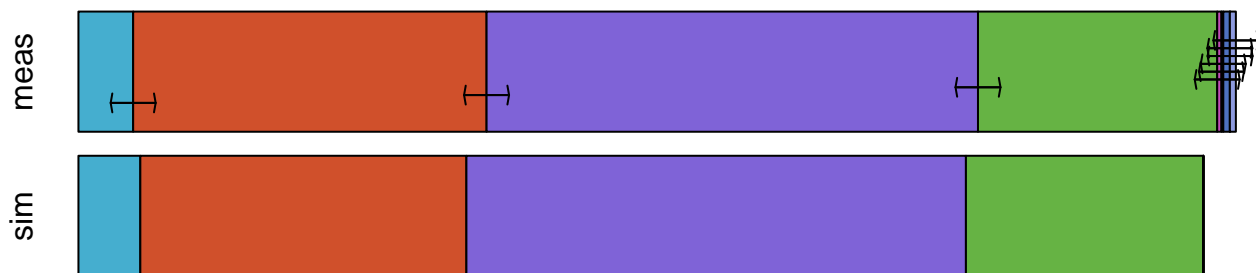
Leu #011111



Phe #110000000

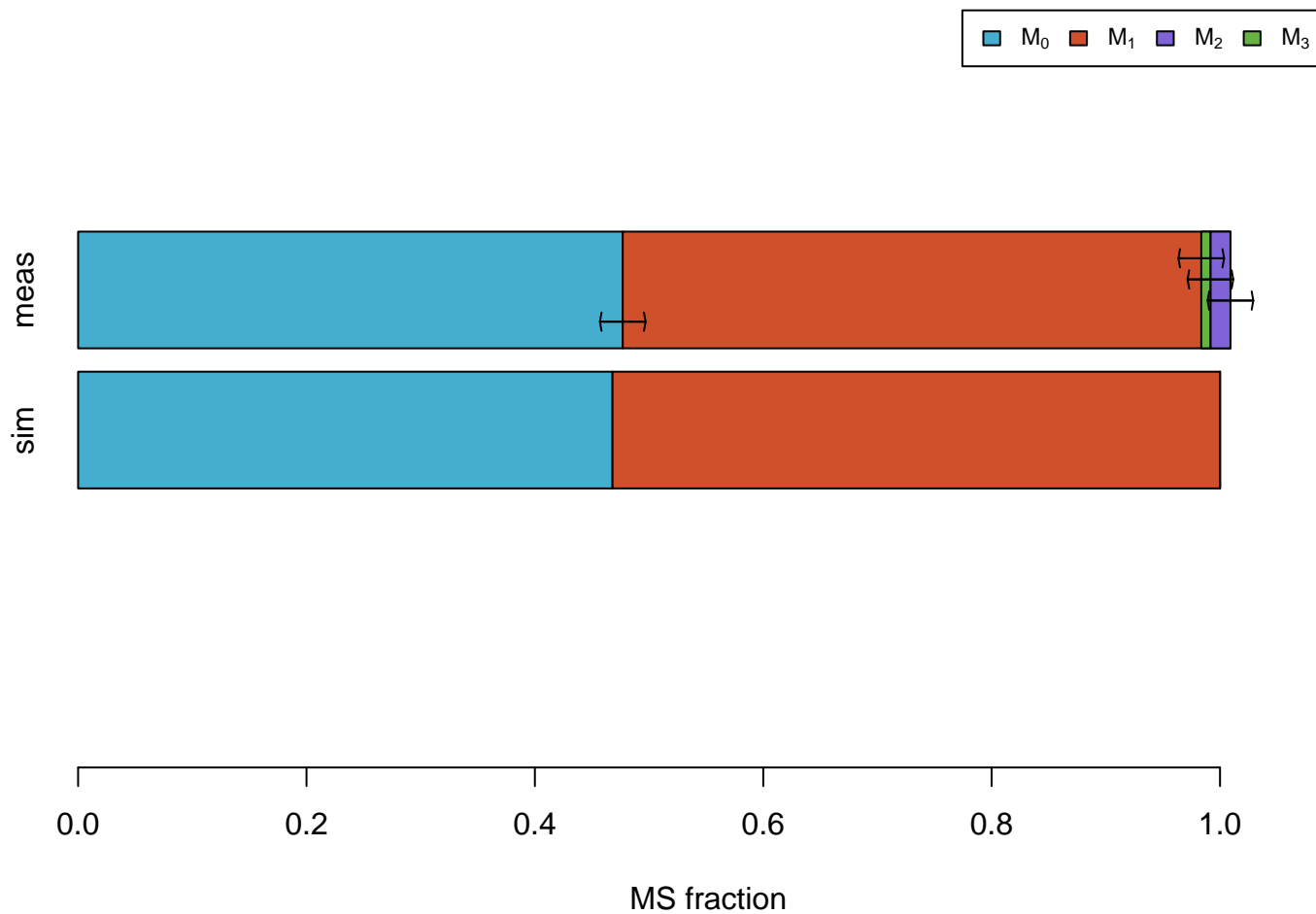


Phe #011111111

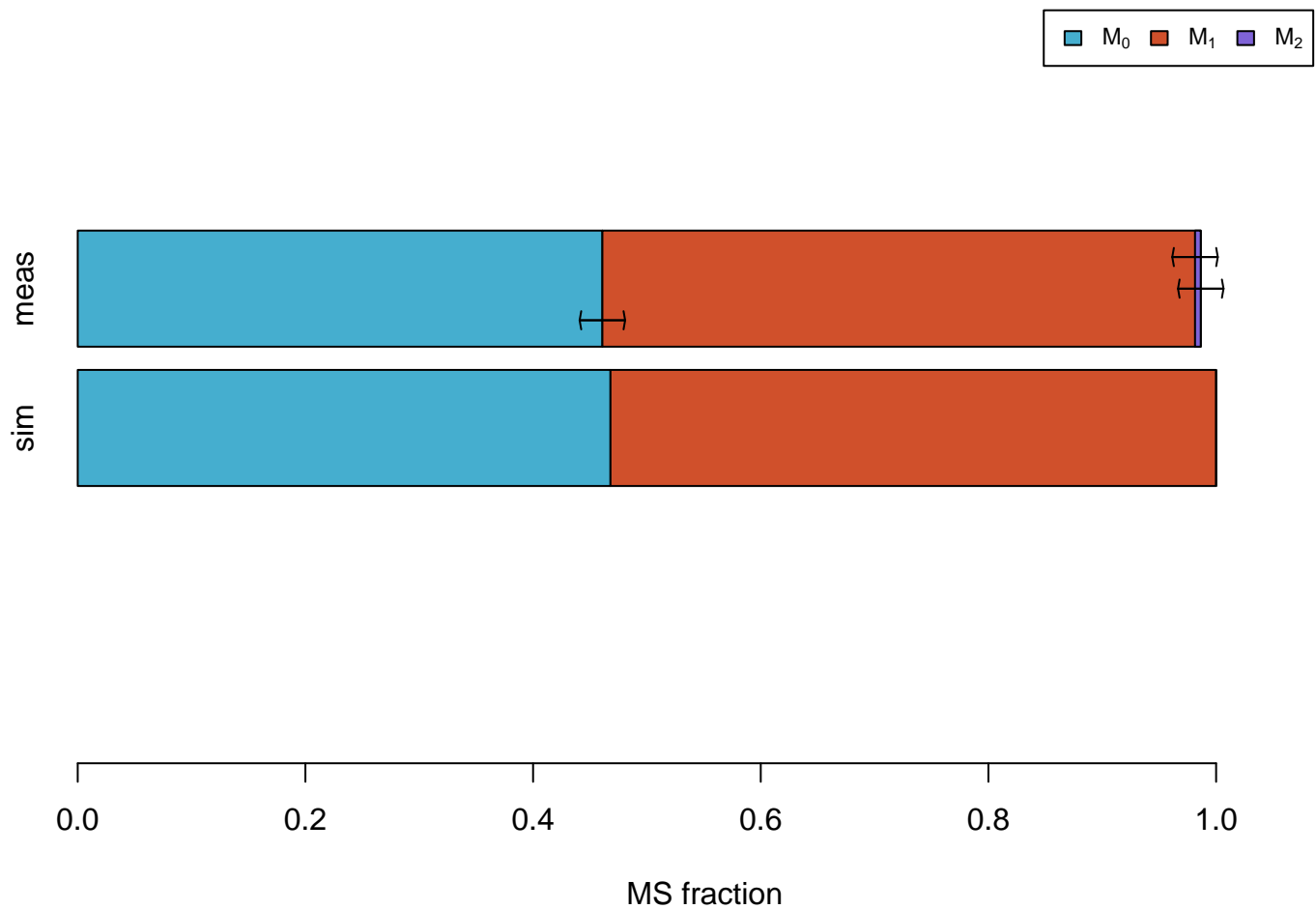


MS fraction

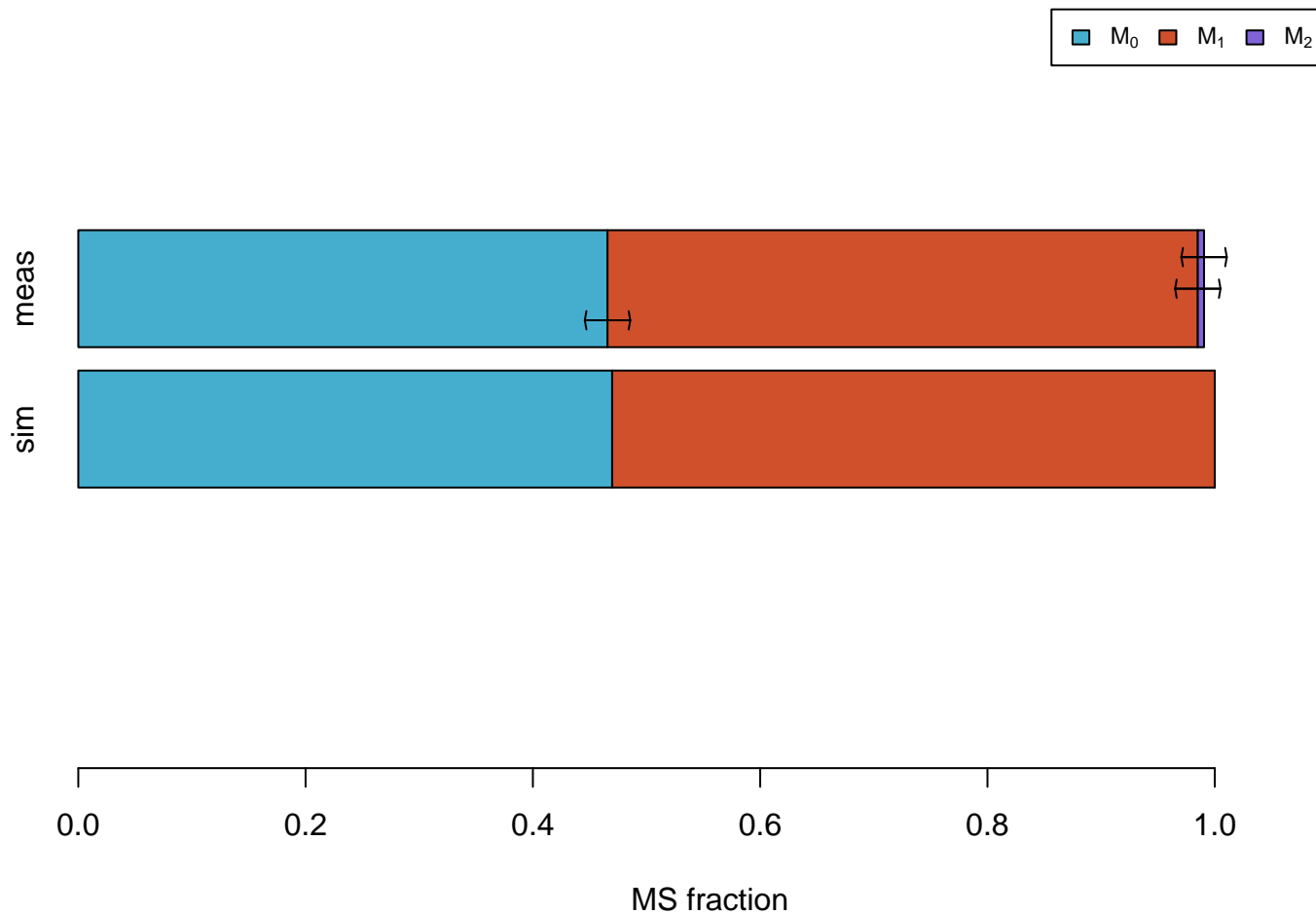
Ser



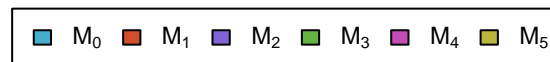
Ser #011



Tyr #110000000



Val



MS fraction

Val #01111



MS fraction

MS simulations

3PG



MS fraction

Ac



sim



MS fraction

AcCoA



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

AKG



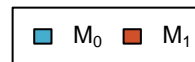
MS fraction

Asn



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



MS fraction

Glyox



sim



MS fraction

Mal



MS fraction

MEETHF



sim



0.0

0.2

0.4

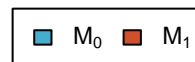
0.6

0.8

1.0

MS fraction

METHF



sim



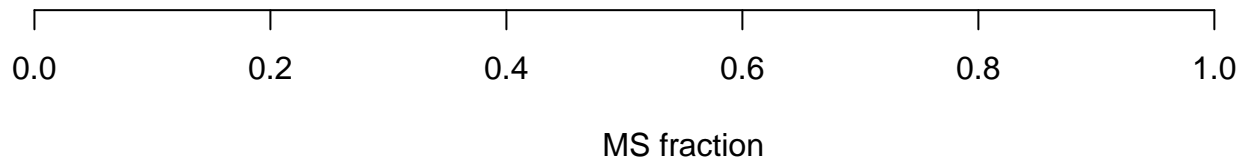
MS fraction

OAC



MS fraction

PEP



Pro



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Pyr



MS fraction

Suc



MS fraction

SucCoA



MS fraction

TA-C3



sim



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction