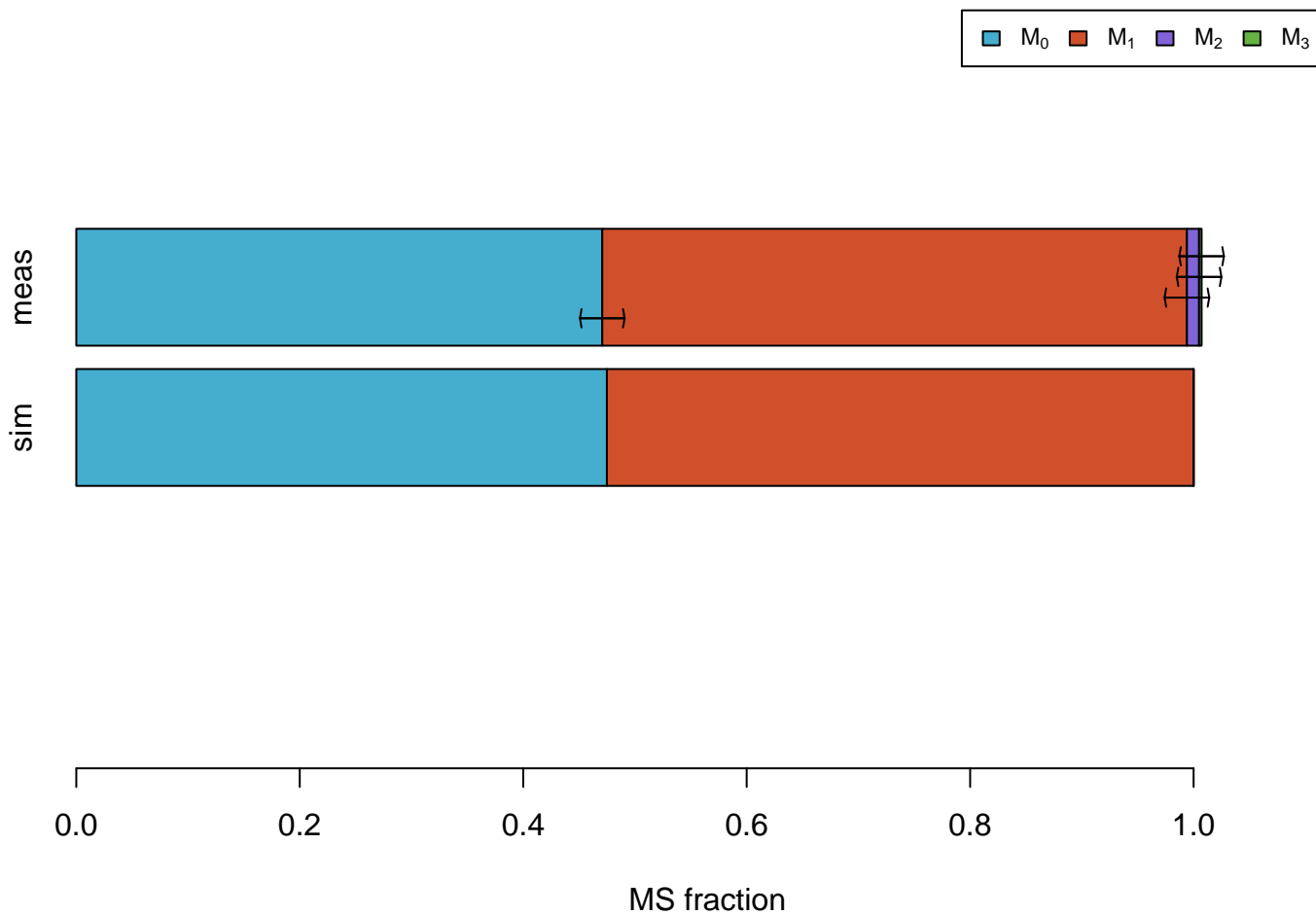
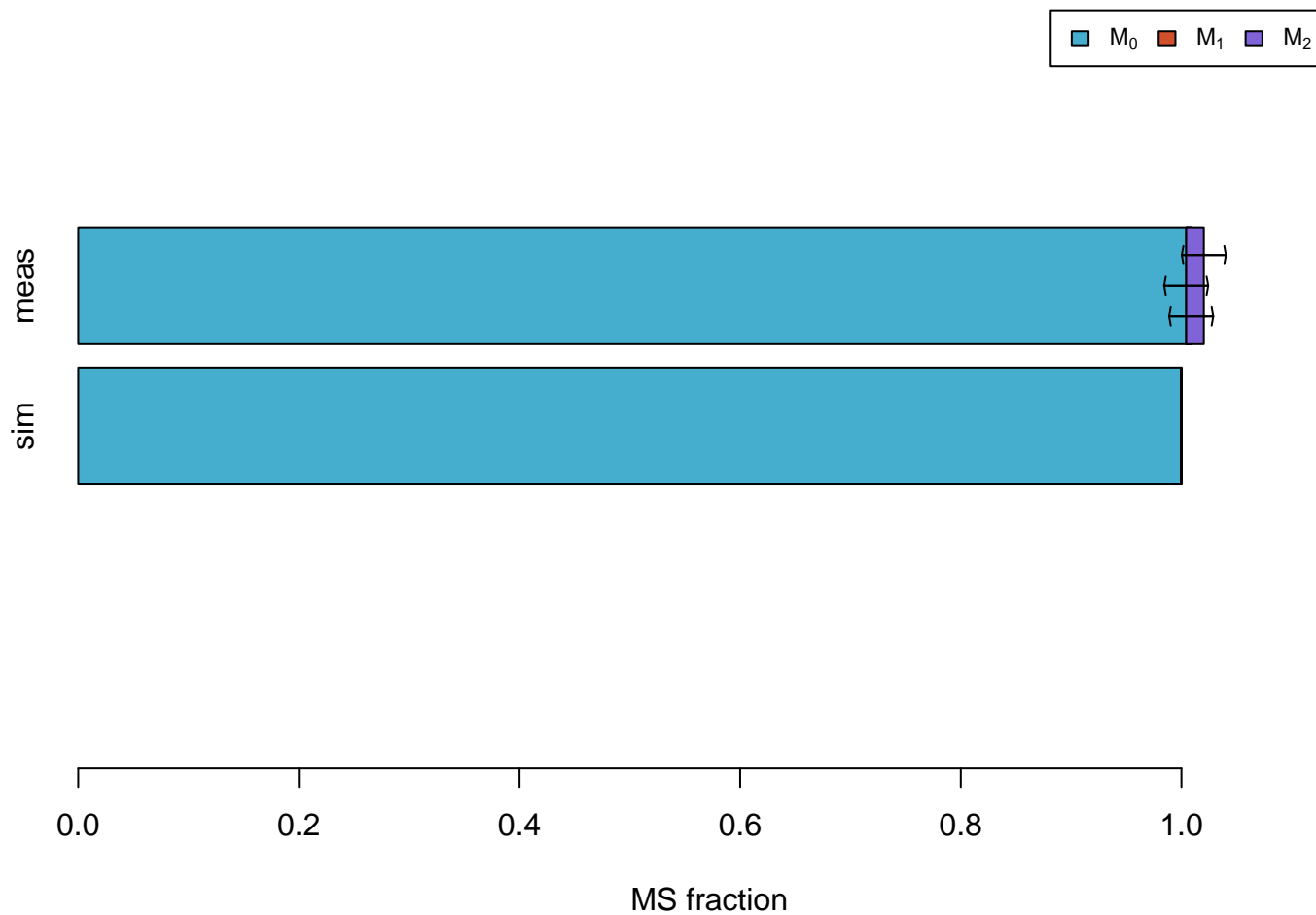


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

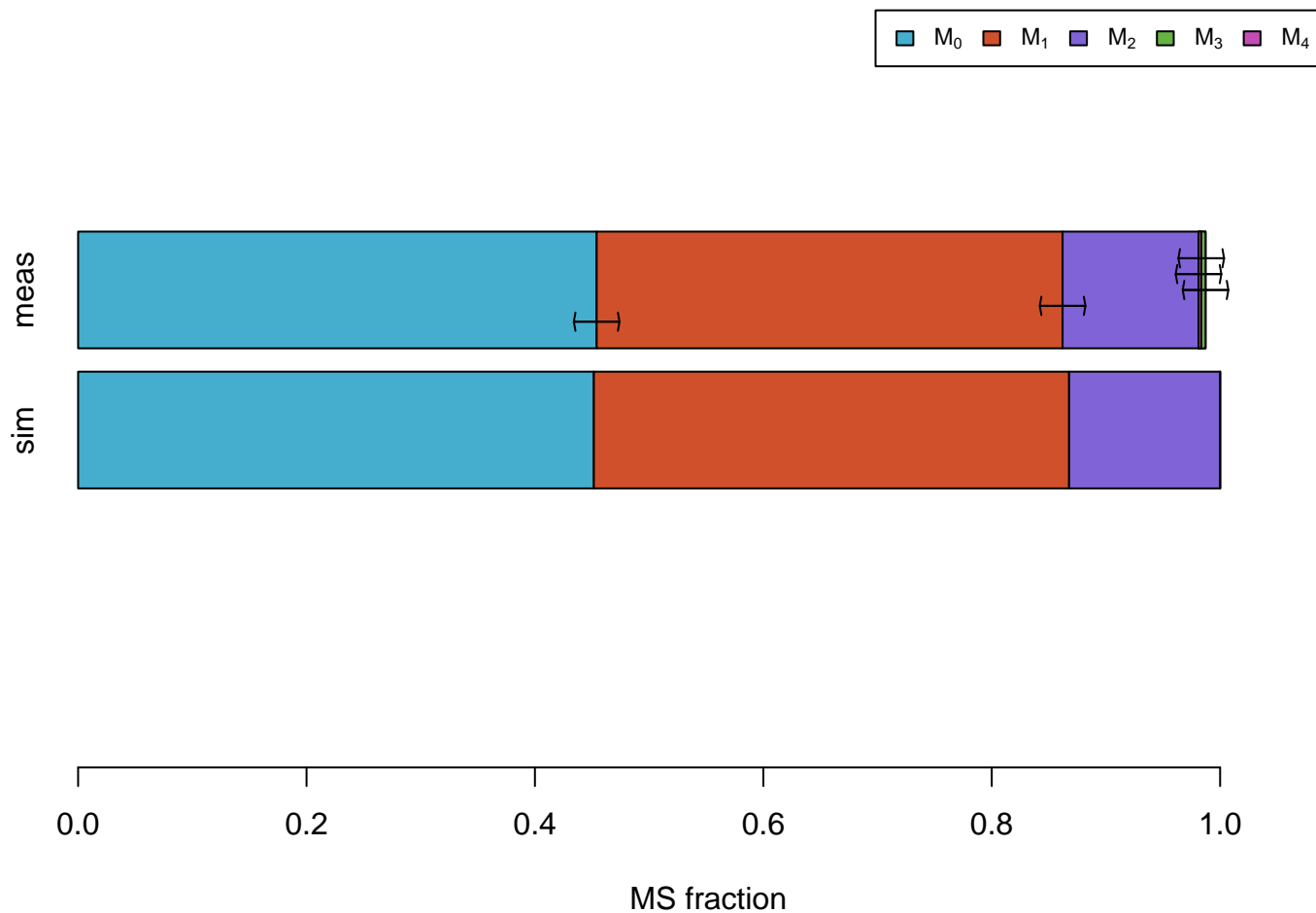
Ala



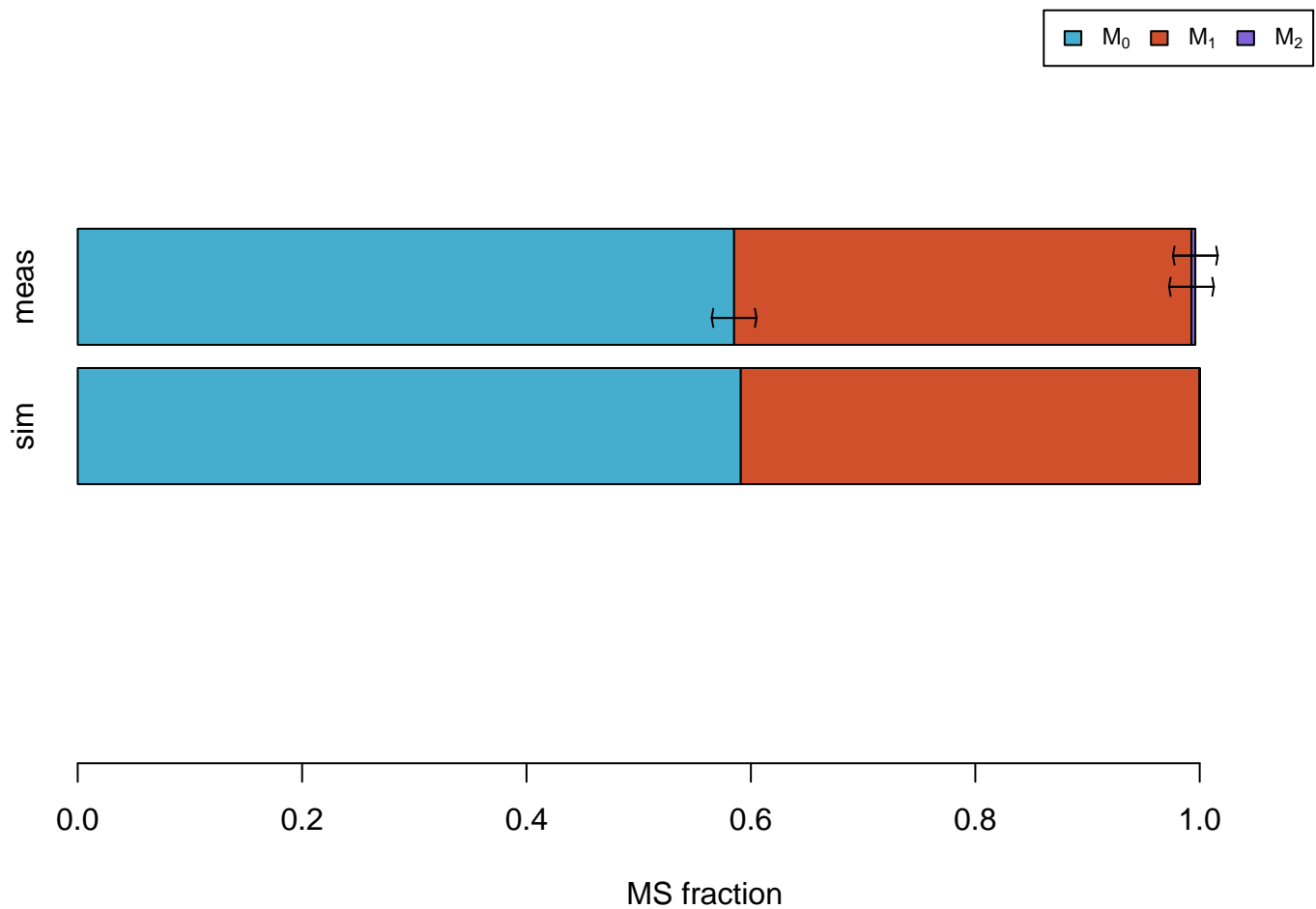
Ala #011



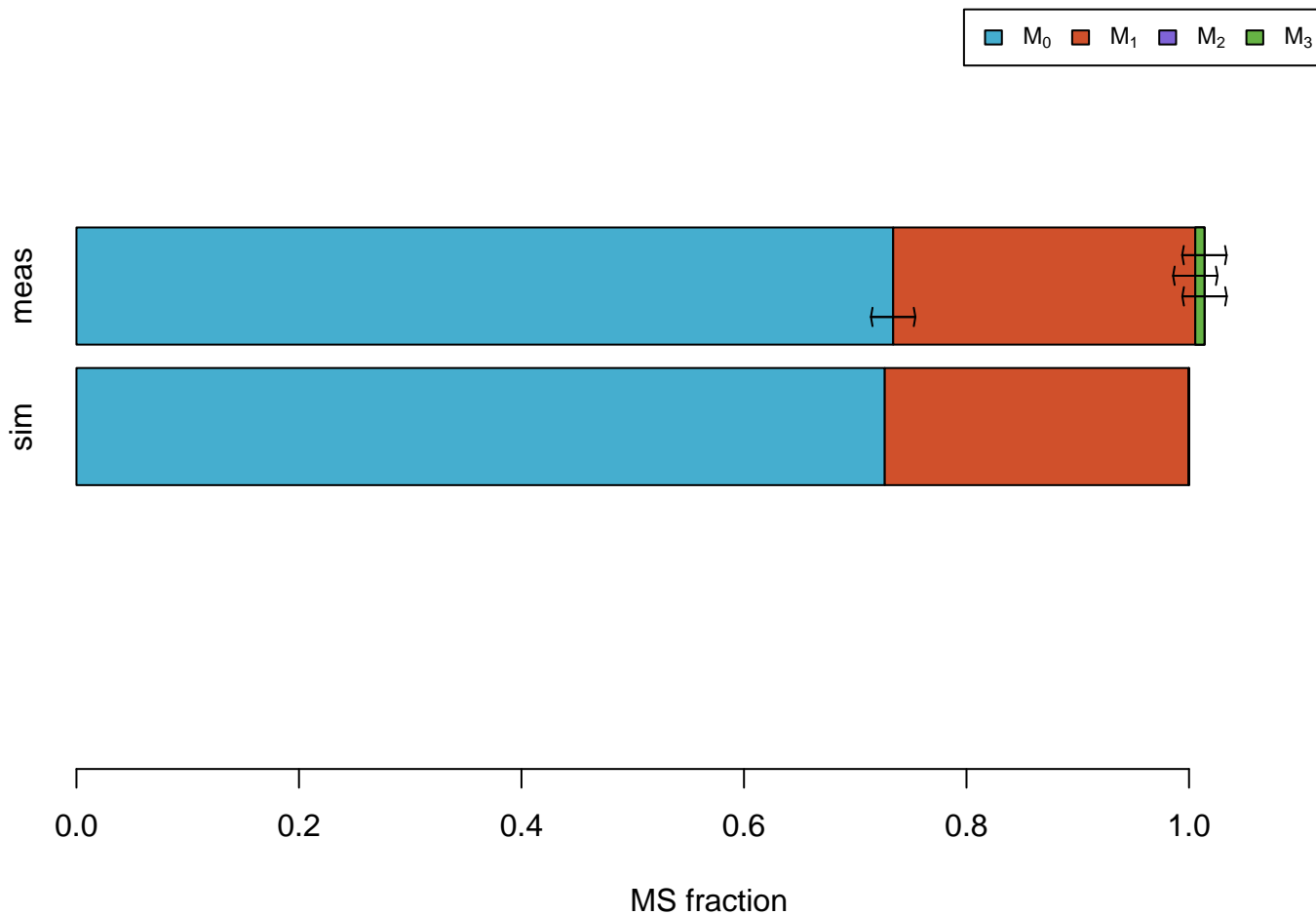
Asp



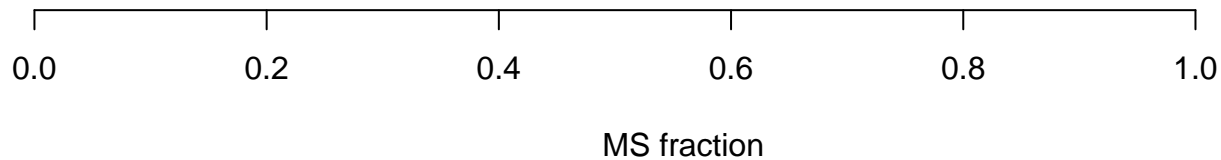
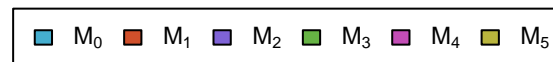
Asp #1100



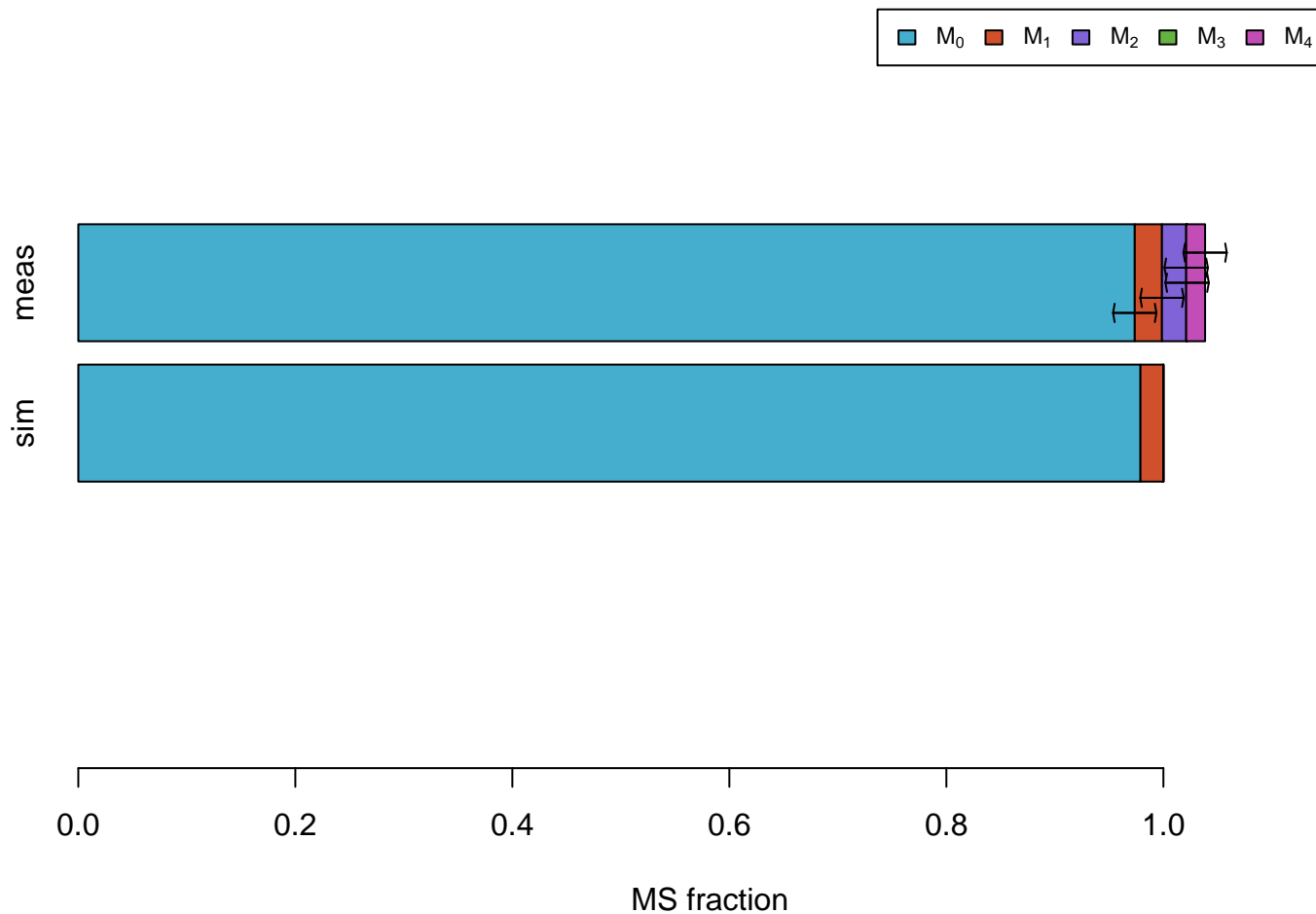
Asp #0111



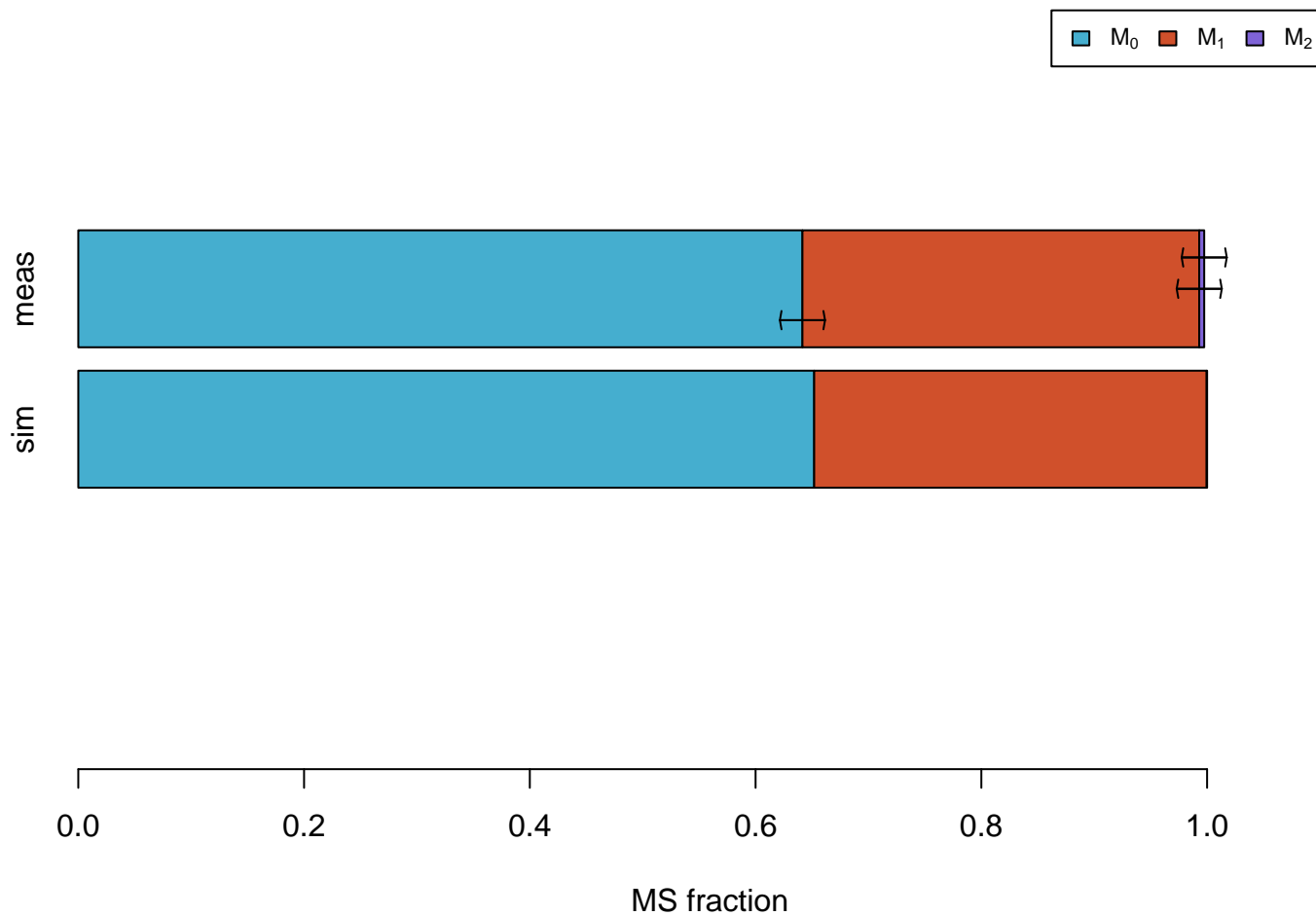
Glu



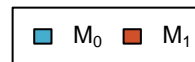
Glu #01111



Gly

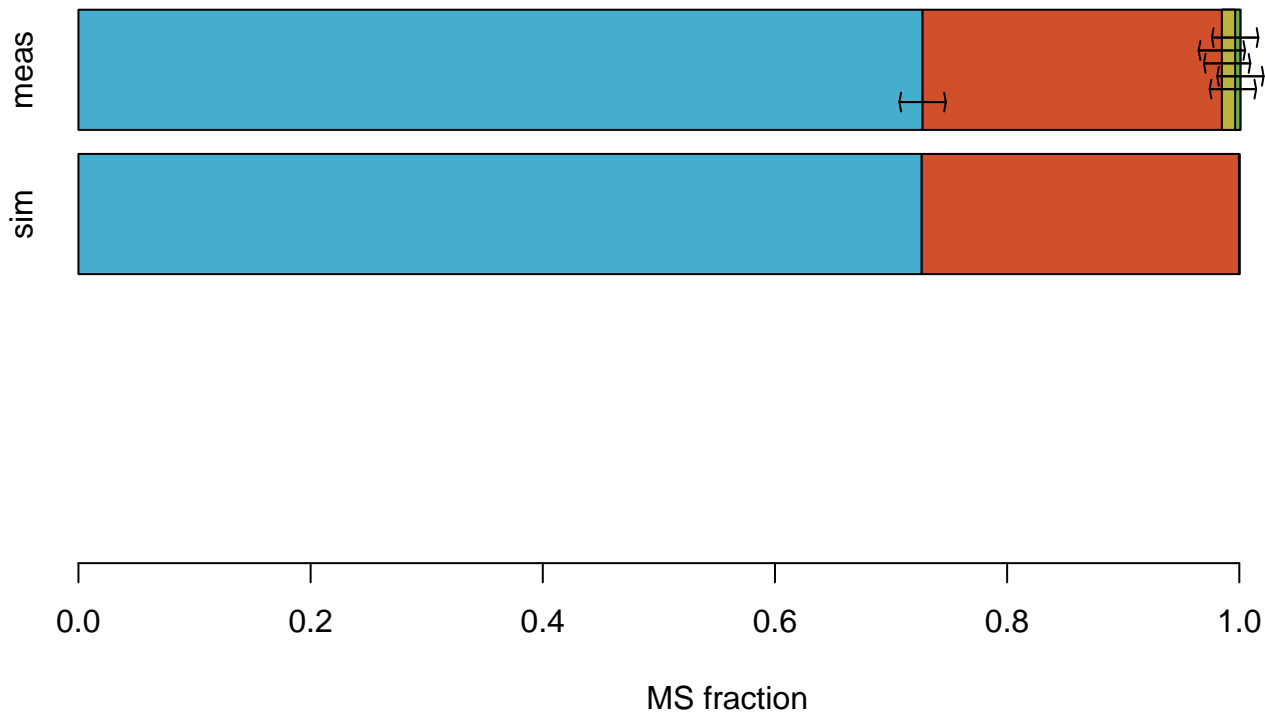
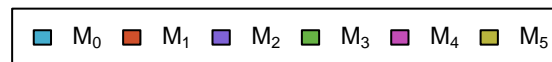


Gly #01

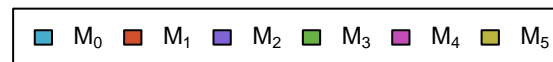


MS fraction

Ile #011111

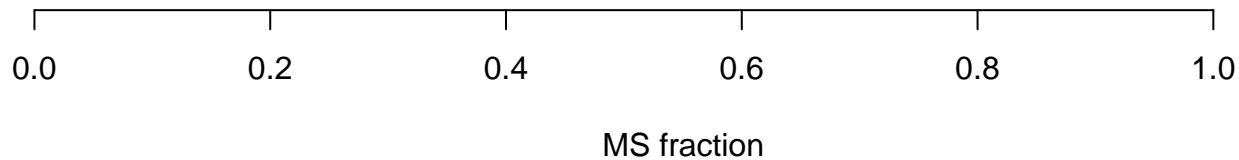


Leu #011111

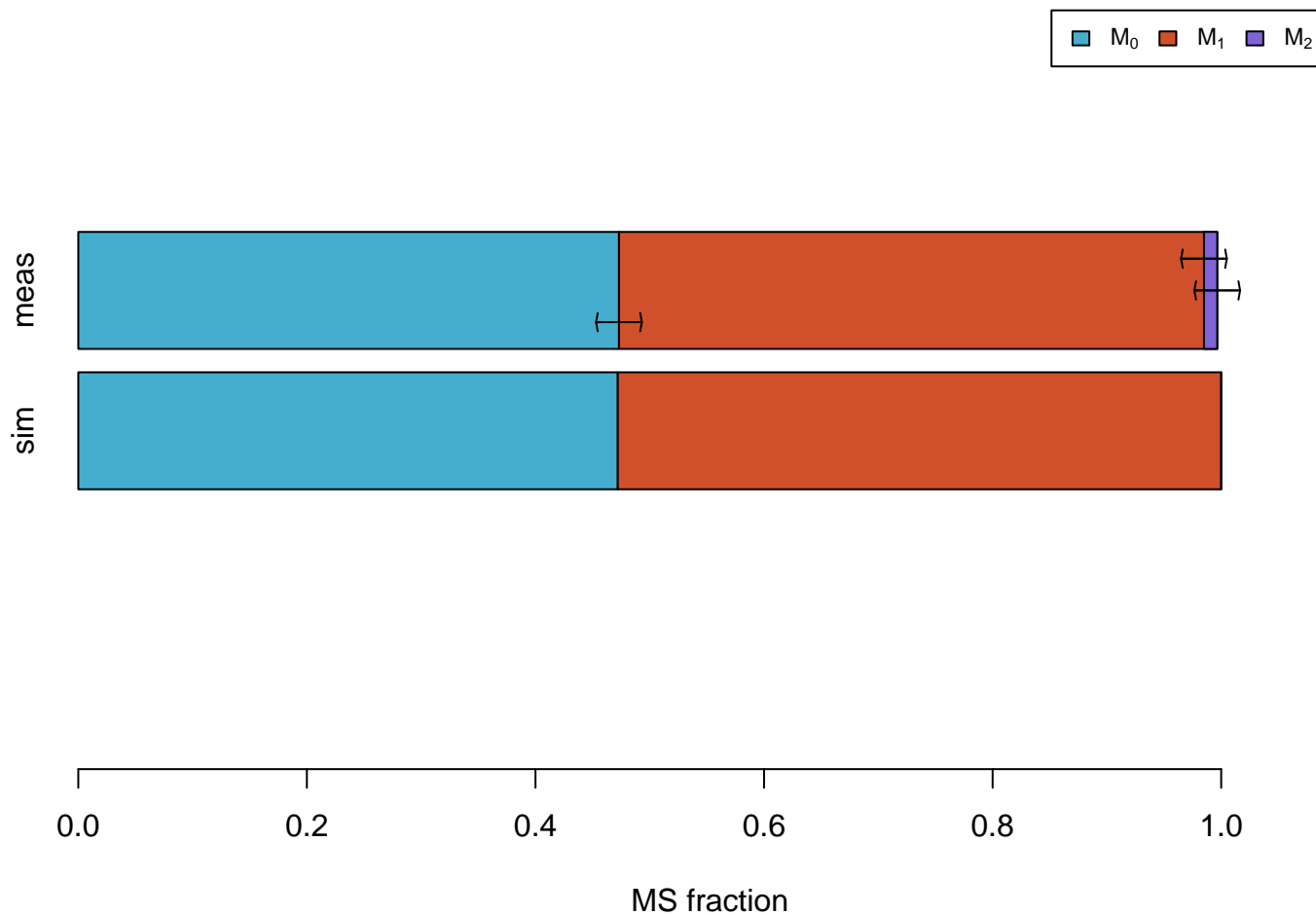


meas

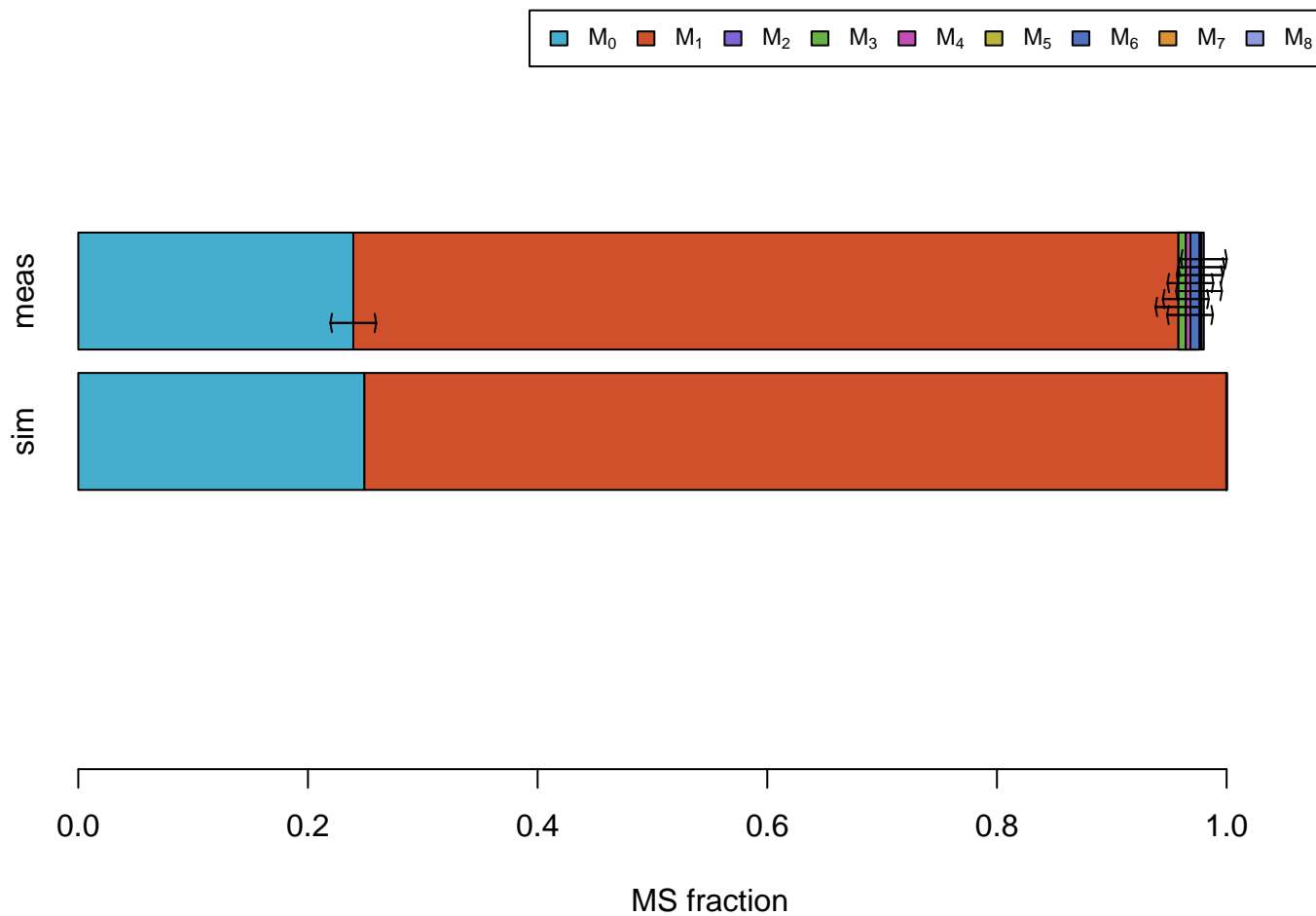
sim



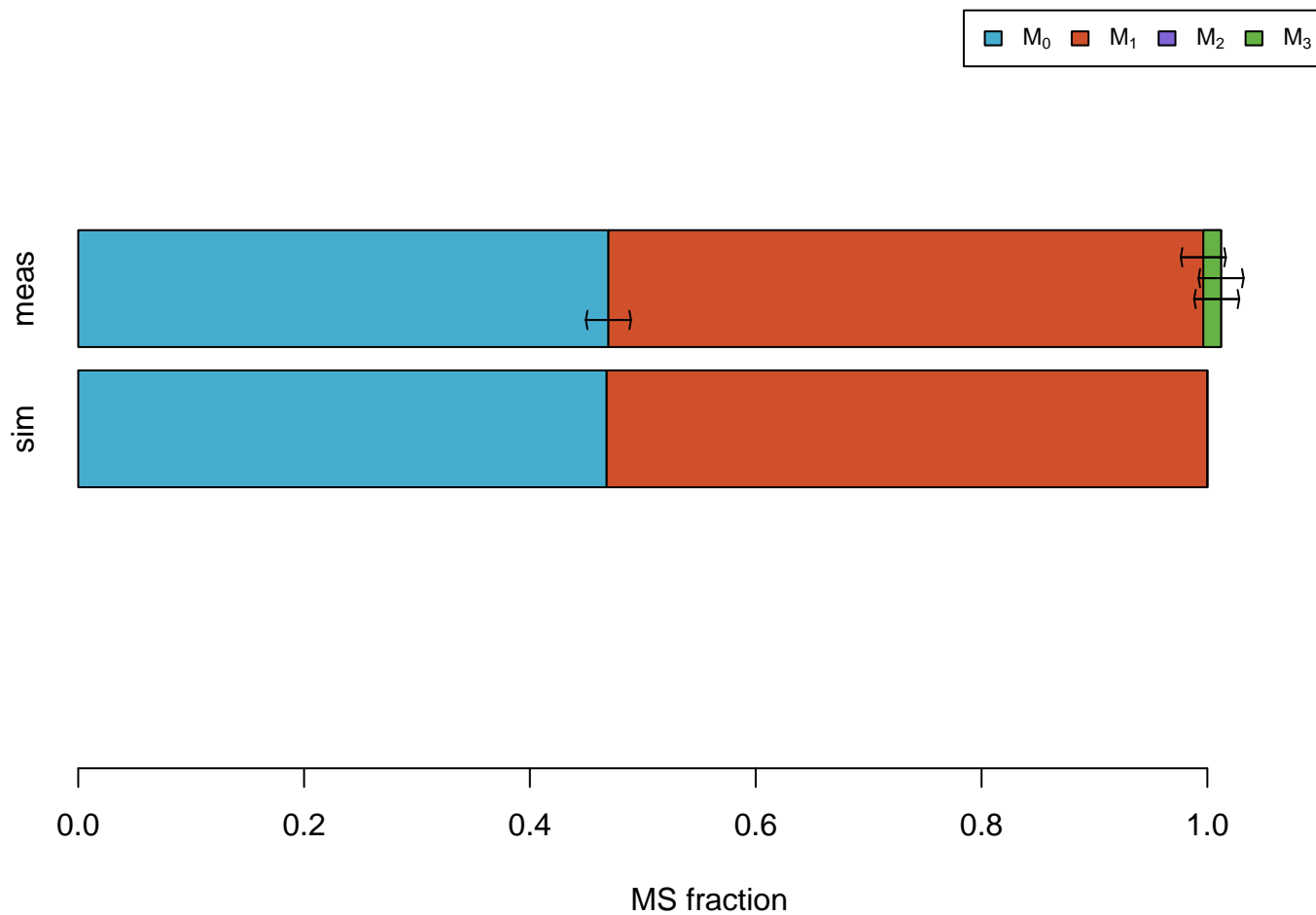
Phe #110000000



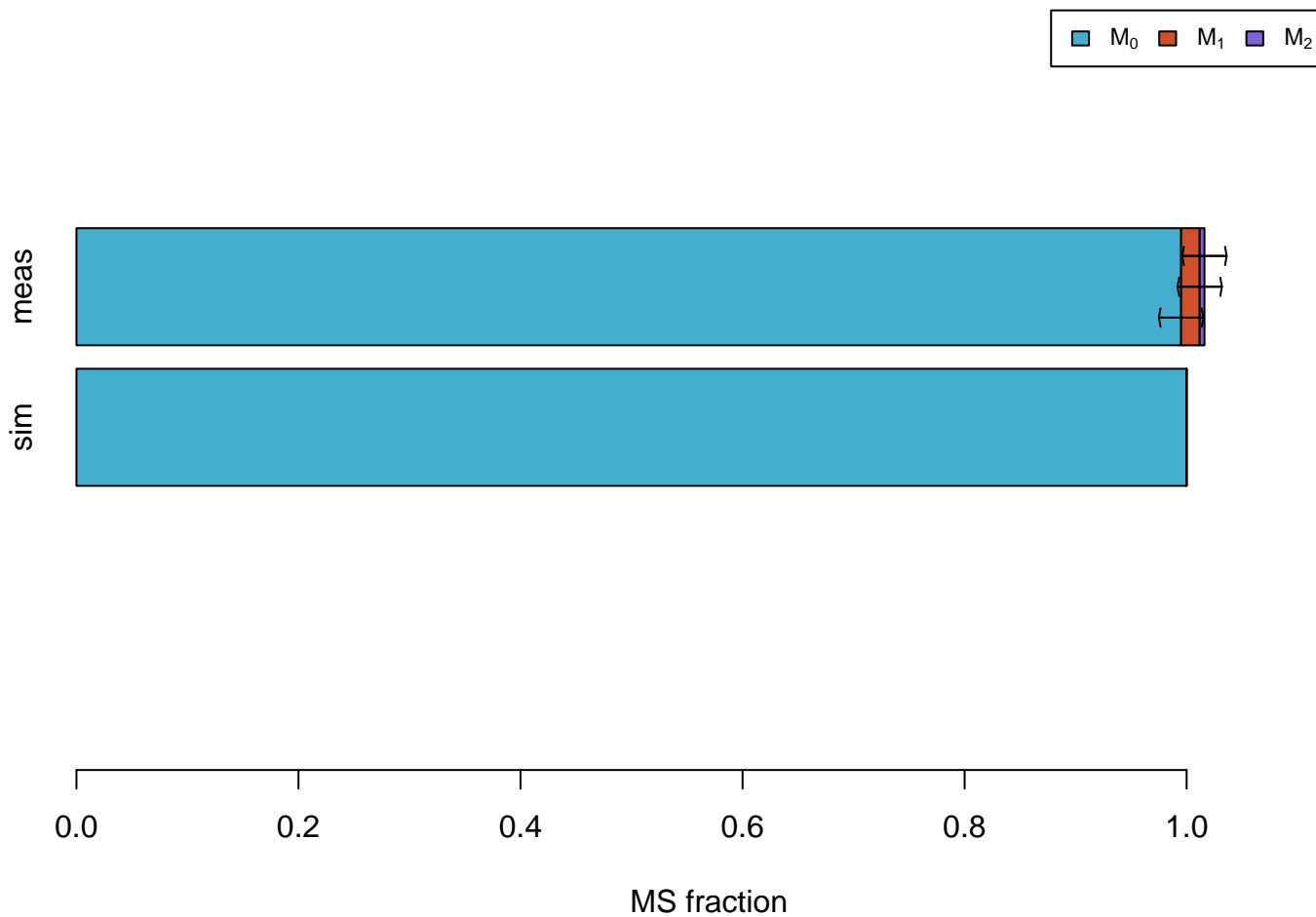
Phe #011111111



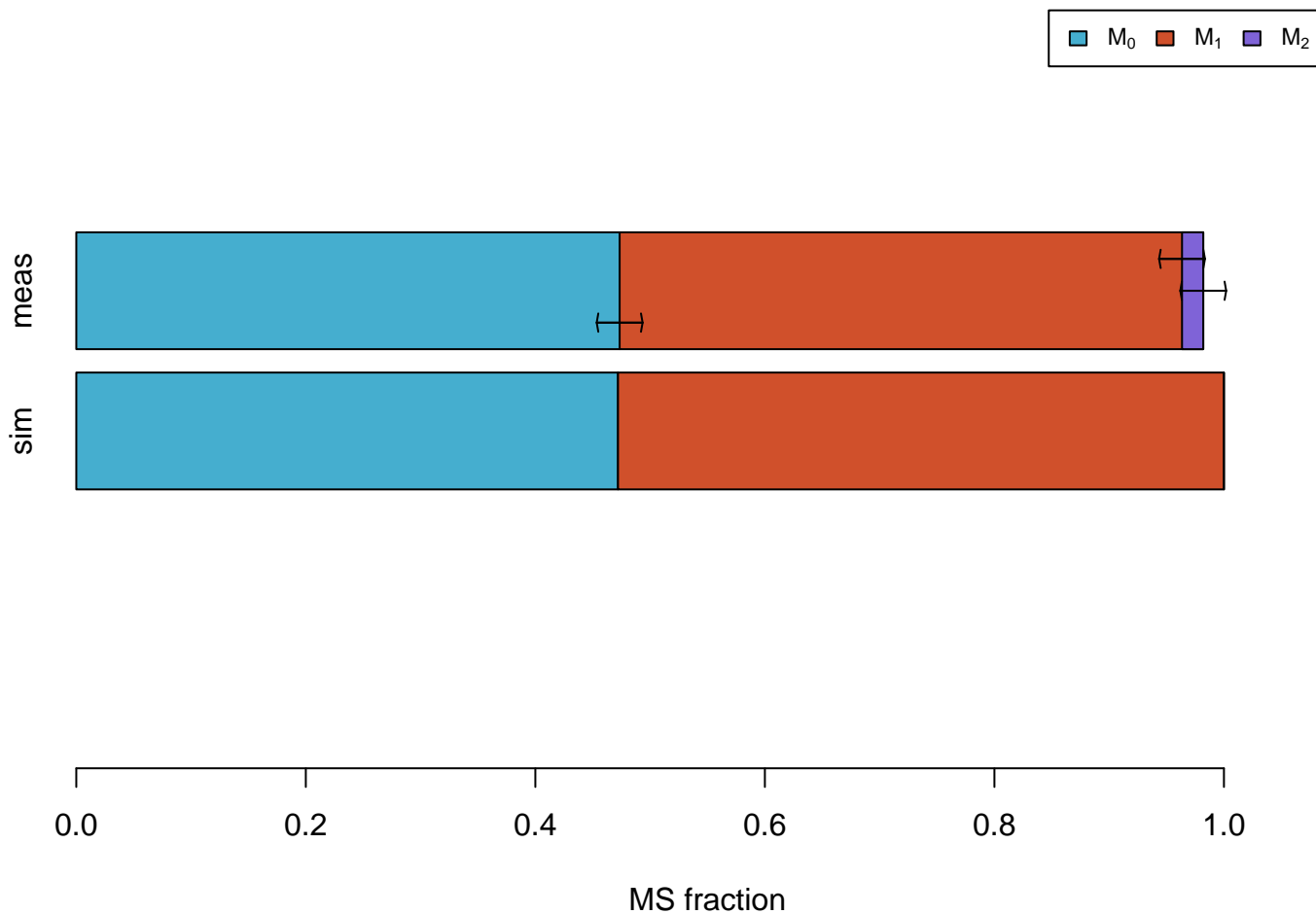
Ser



Ser #011



Tyr #110000000

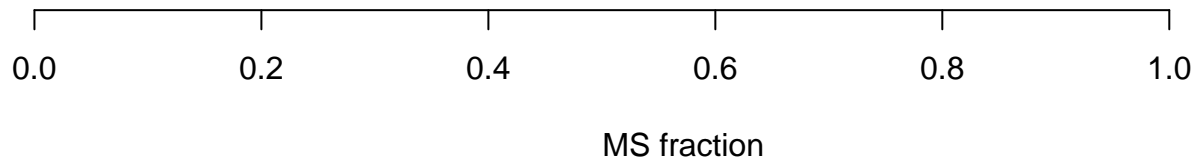


Val

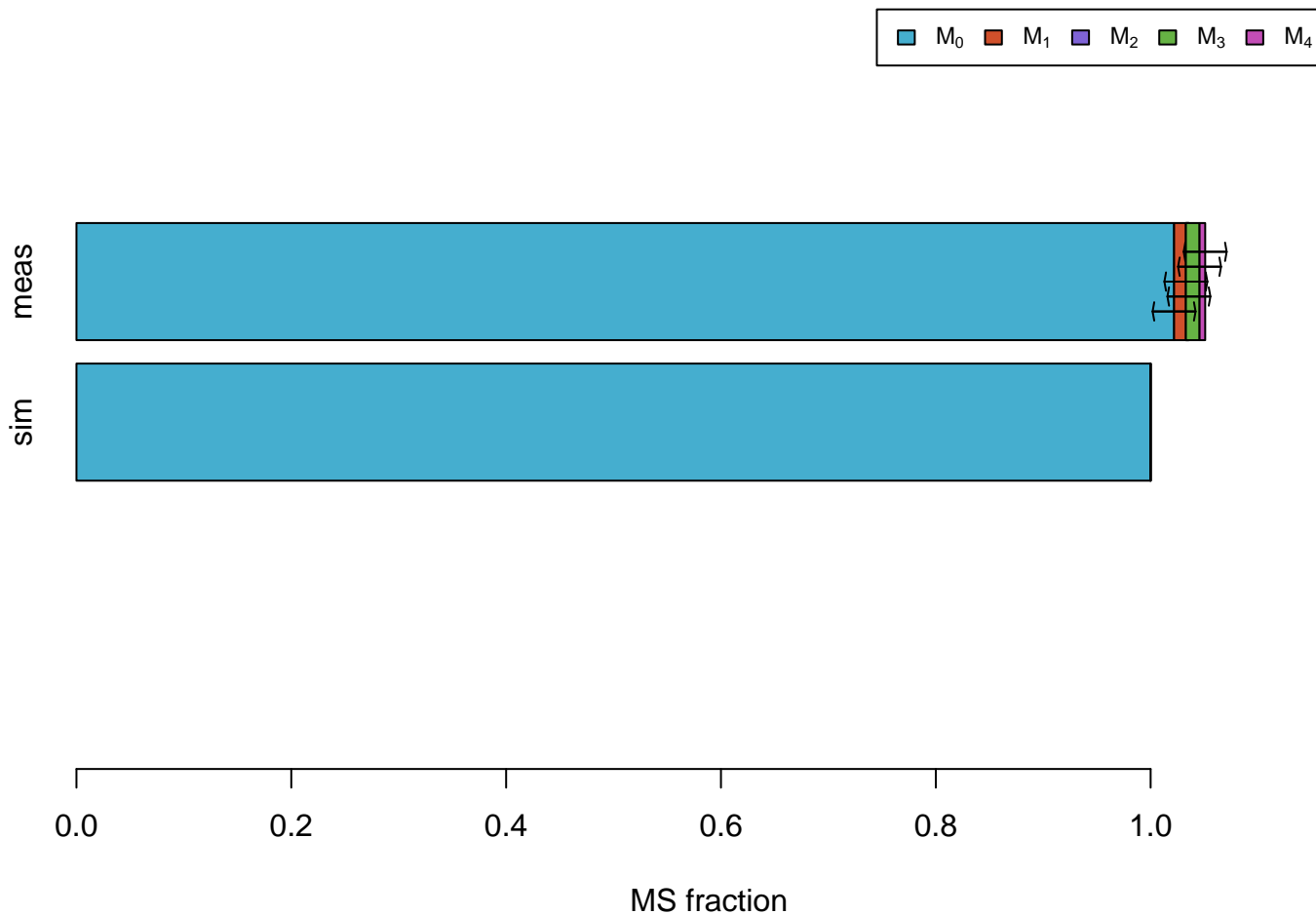


meas

sim



Val #01111



MS simulations

3PG



MS fraction

Ac



sim



MS fraction

AcCoA

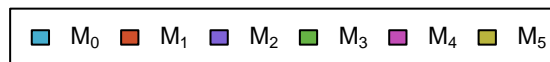


sim



MS fraction

AKG



MS fraction

Asn



MS fraction

CO2

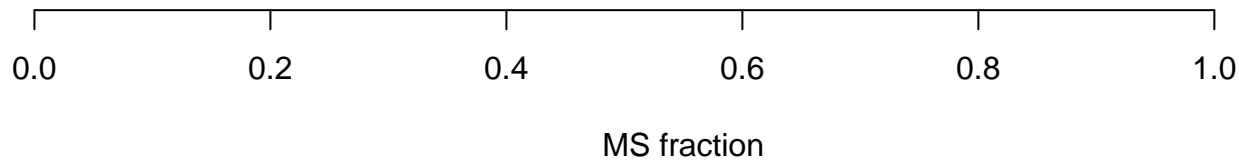


sim



MS fraction

Cys



DHAP



sim



MS fraction

E4P



MS fraction

FTHF



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Fum



MS fraction

GAP



MS fraction

Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Glyox



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Mal



MS fraction

MEETHF



sim



0.0

0.2

0.4

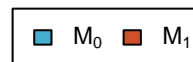
0.6

0.8

1.0

MS fraction

METHF

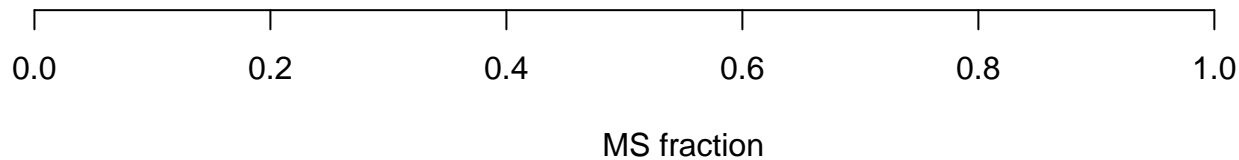


sim



MS fraction

OAC



PEP



MS fraction

Pro



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Pyr



MS fraction

Suc



sim



MS fraction

SucCoA



sim



MS fraction

TA-C3



sim



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction