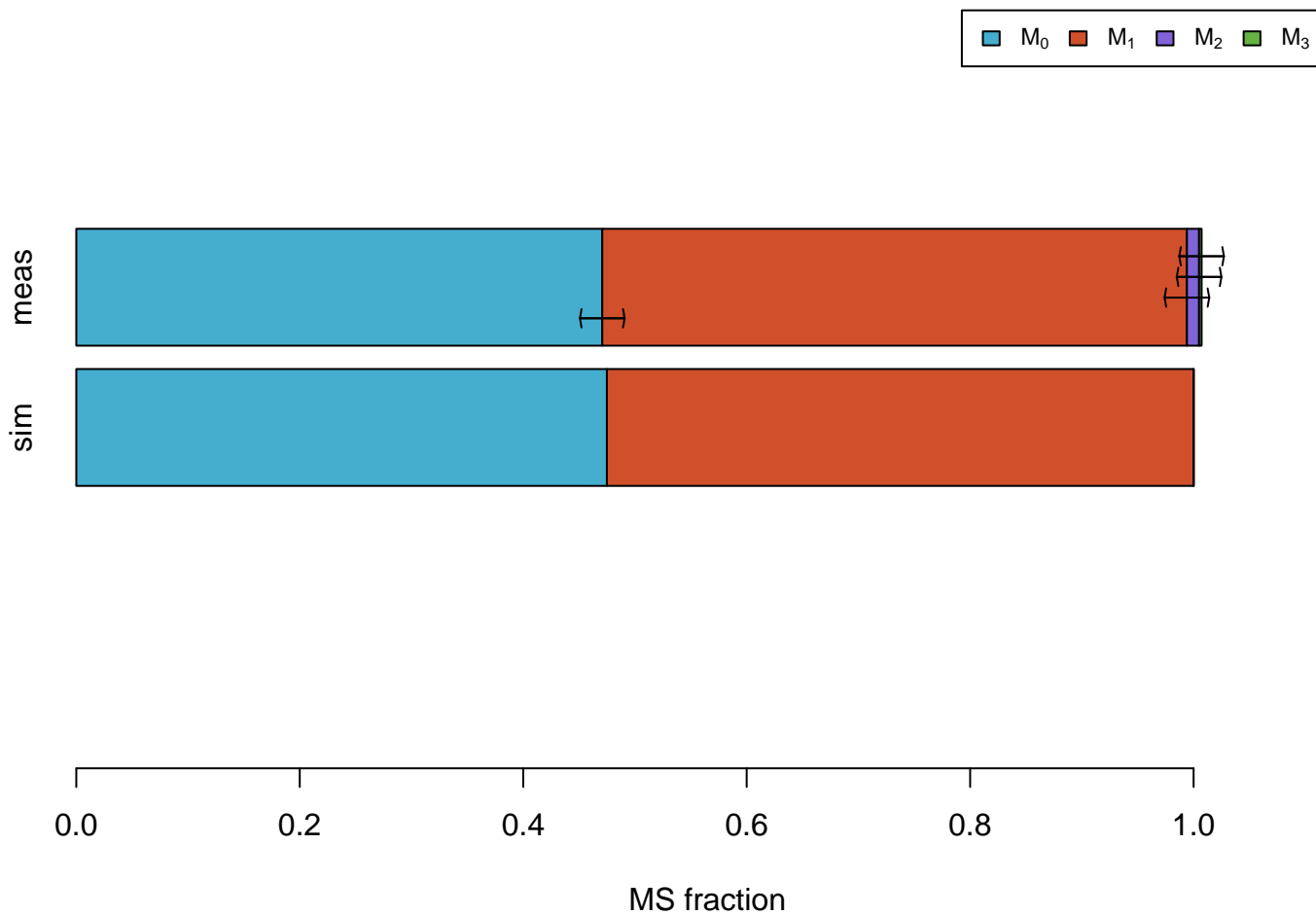
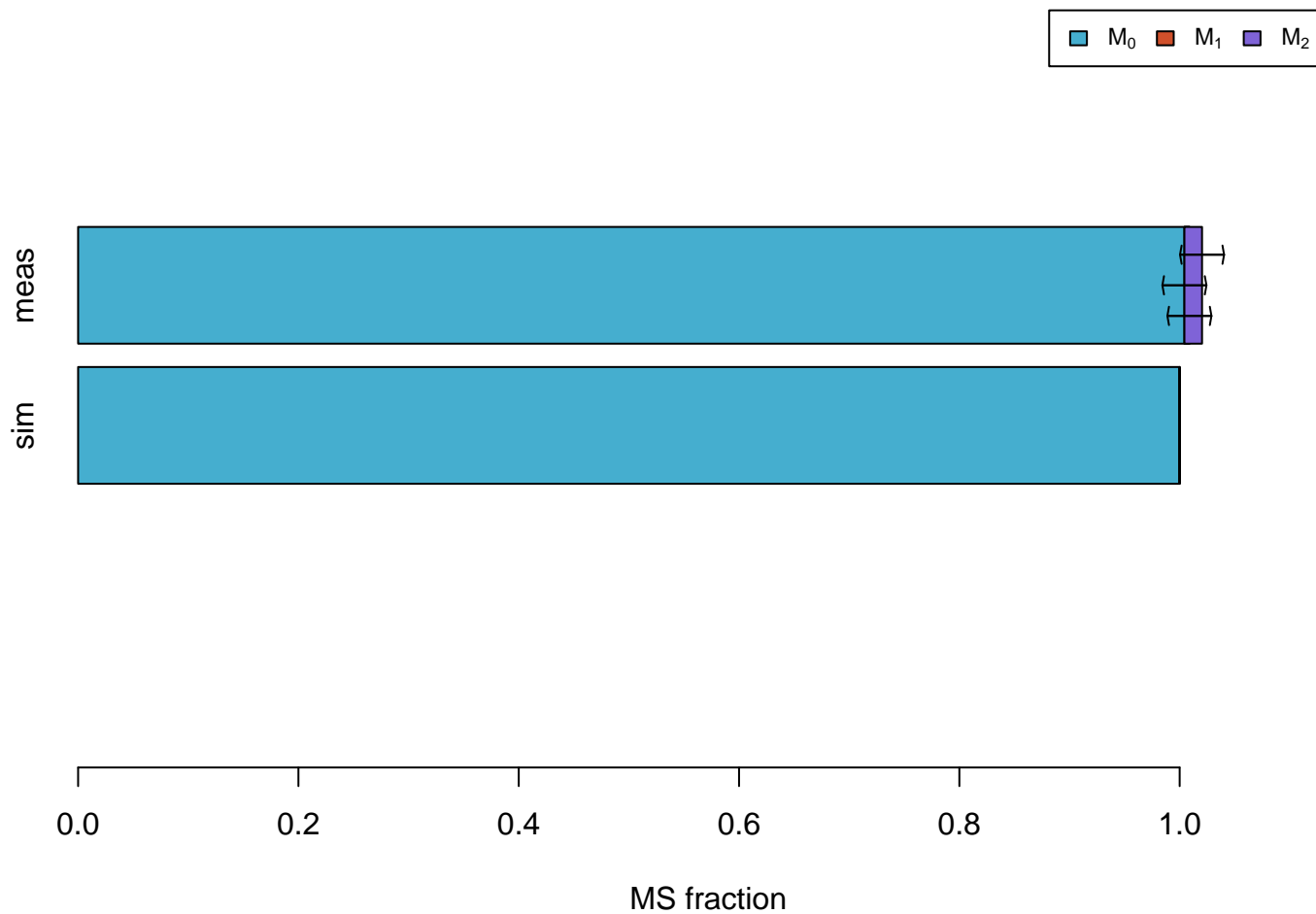


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

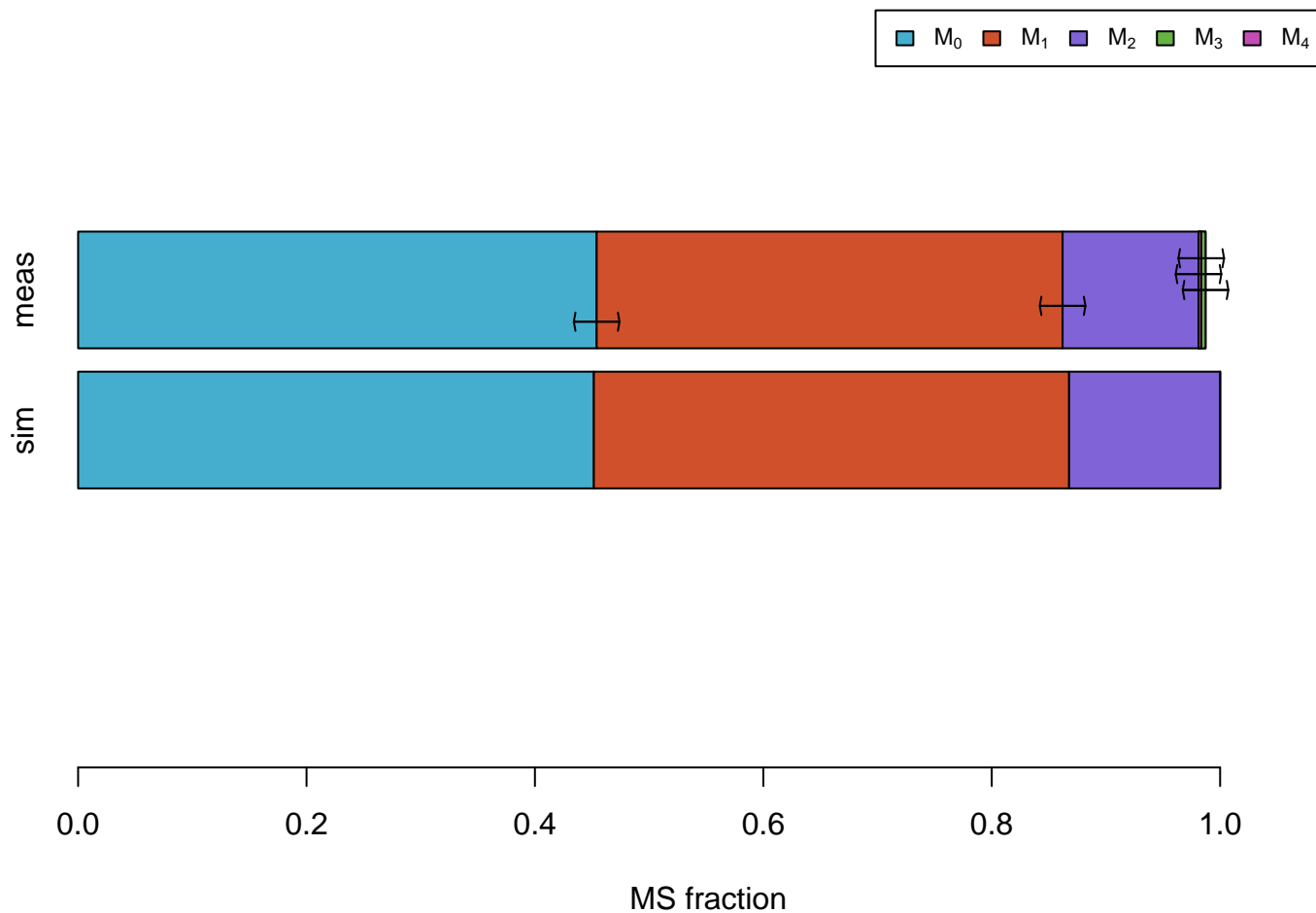
Ala



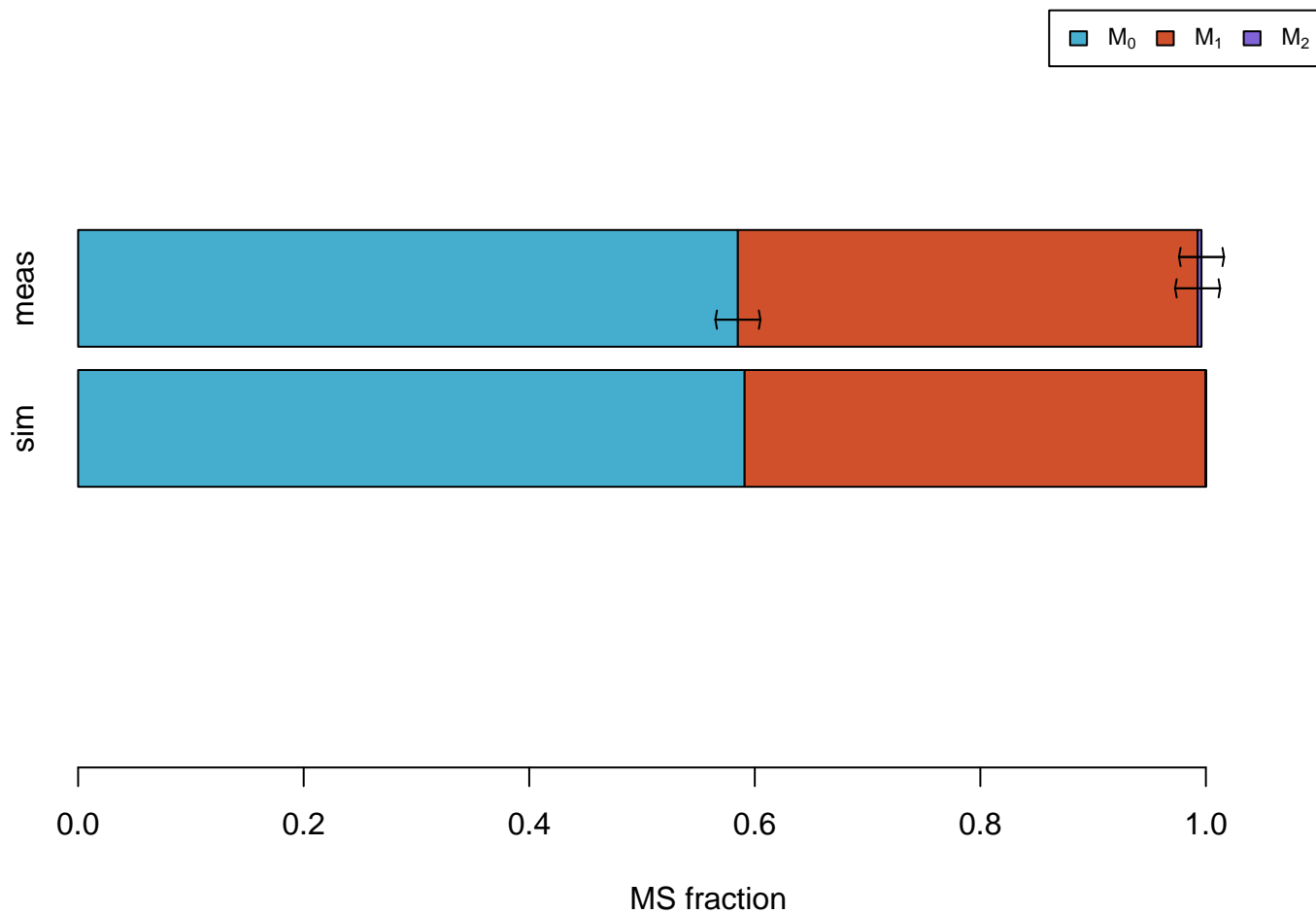
Ala #011



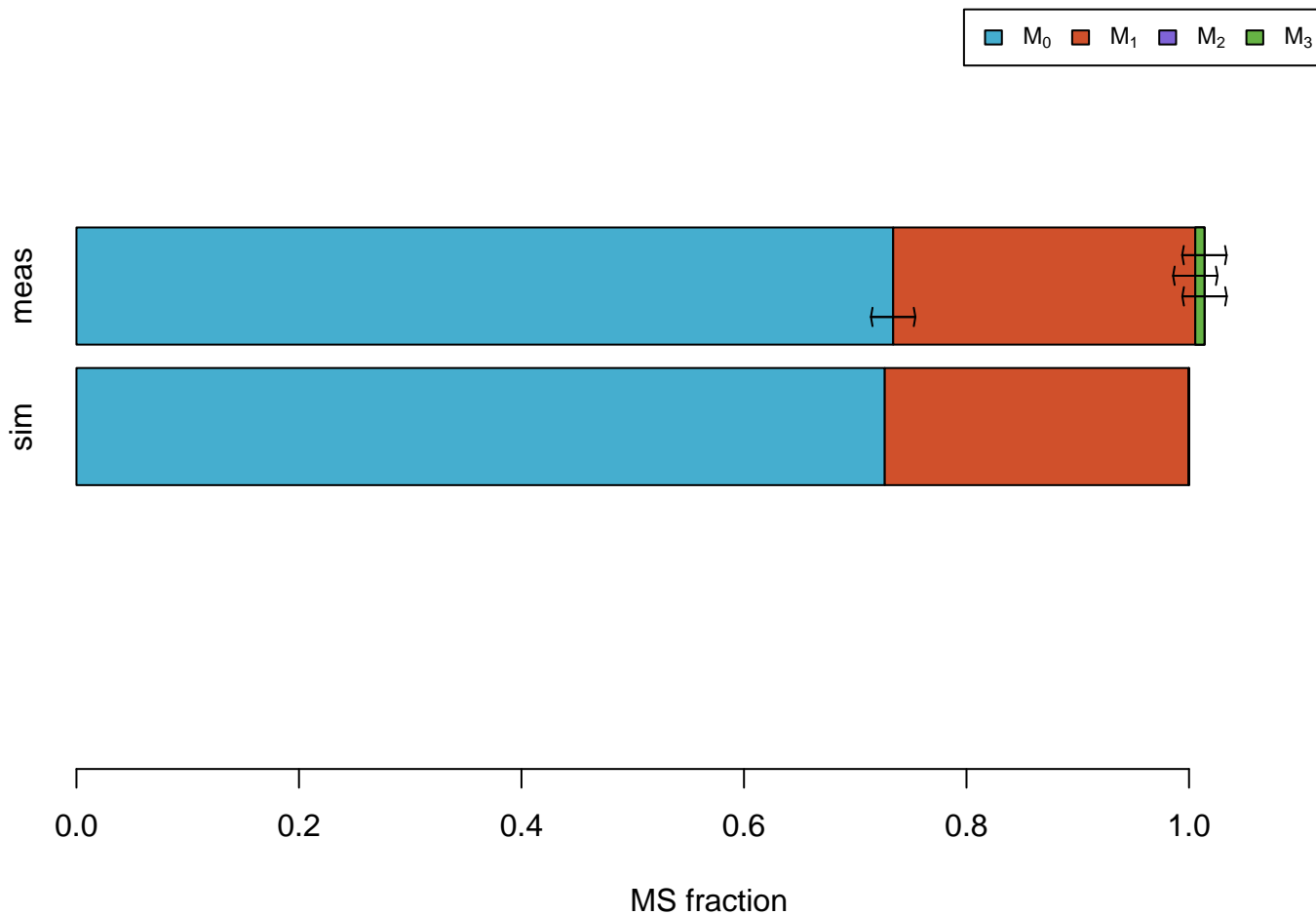
Asp



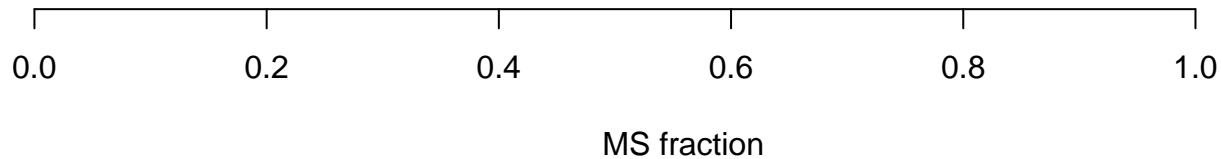
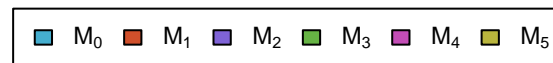
Asp #1100



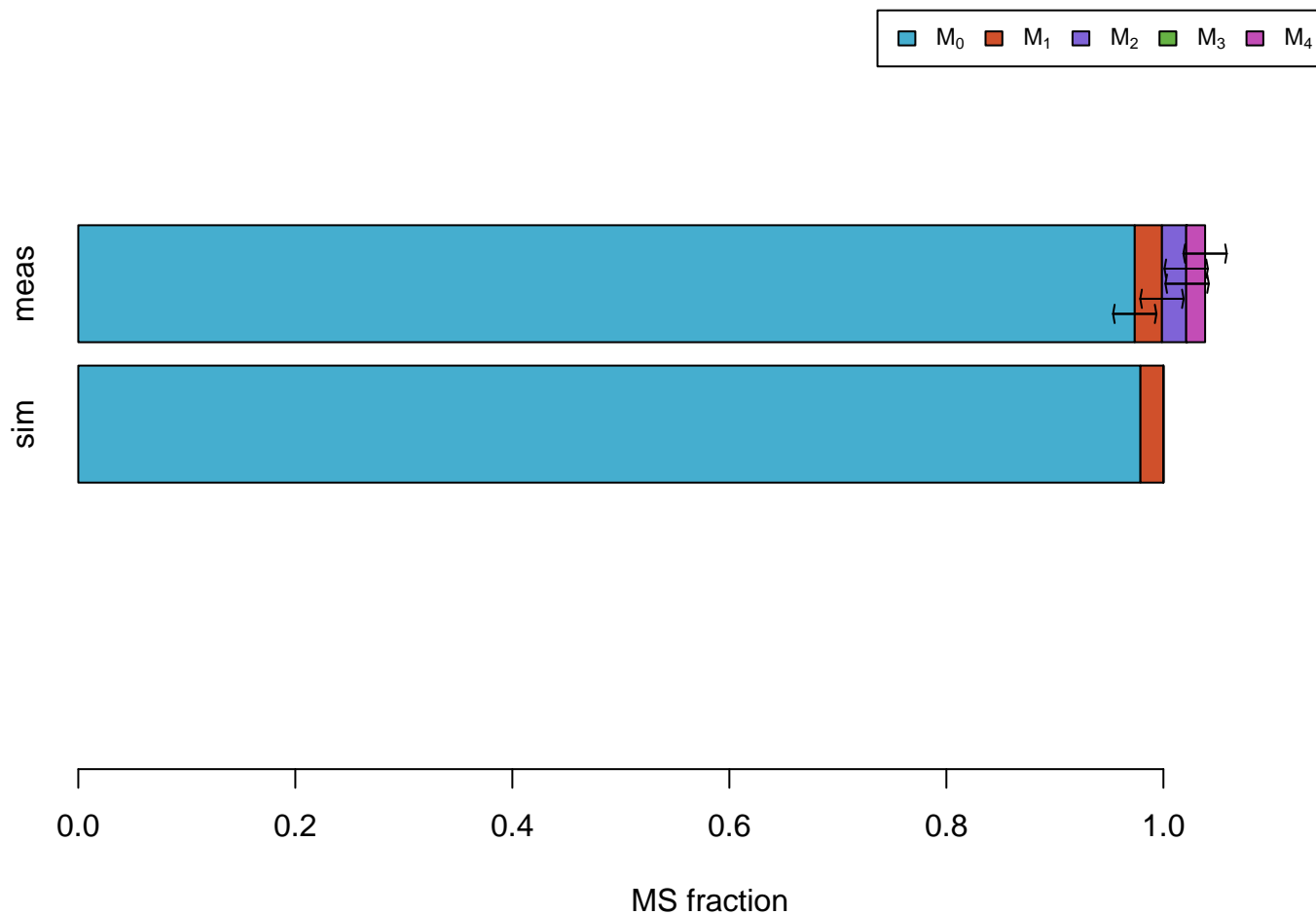
Asp #0111



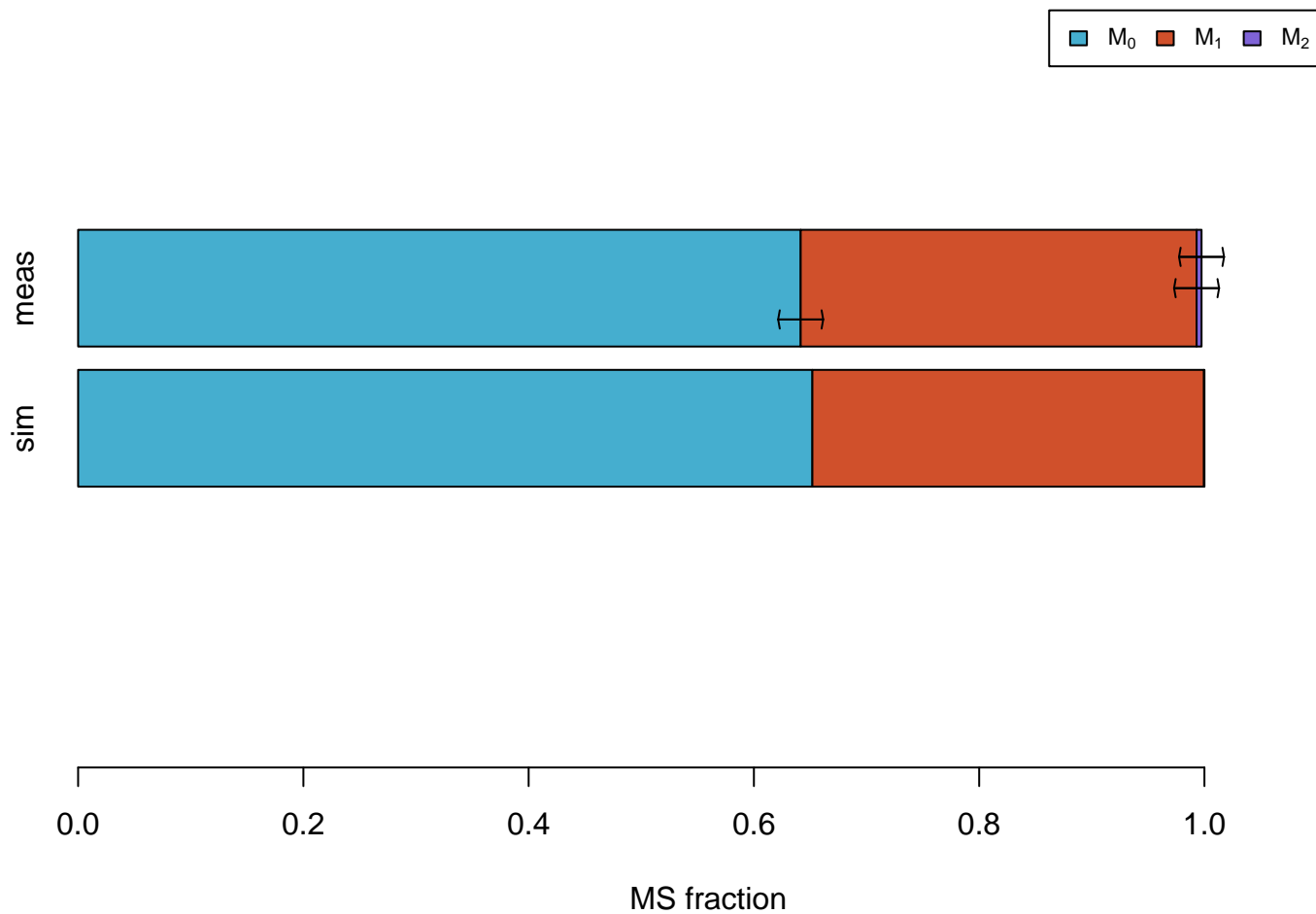
Glu



Glu #01111



Gly

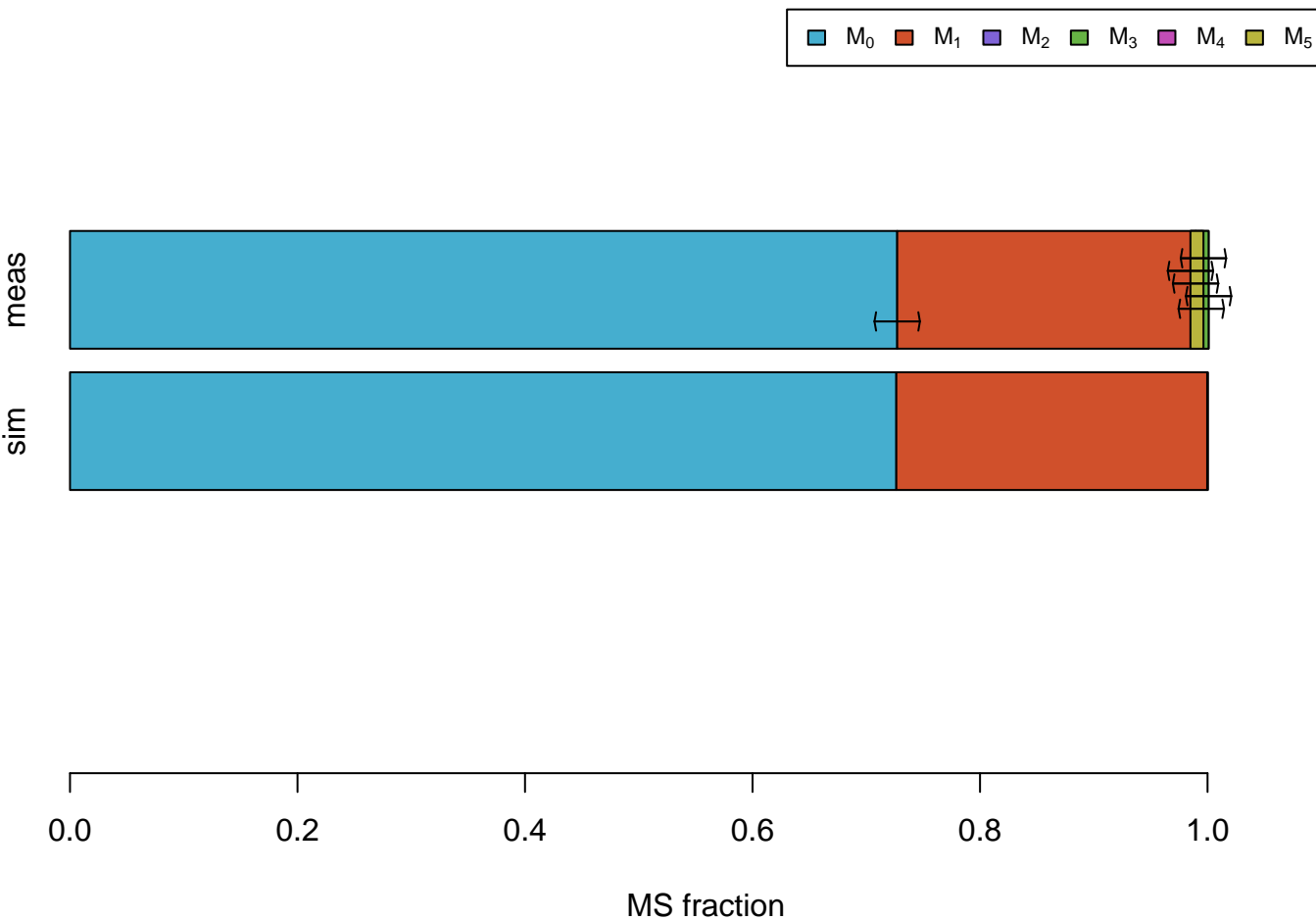


Gly #01

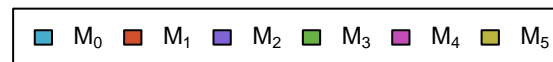


MS fraction

Ile #011111

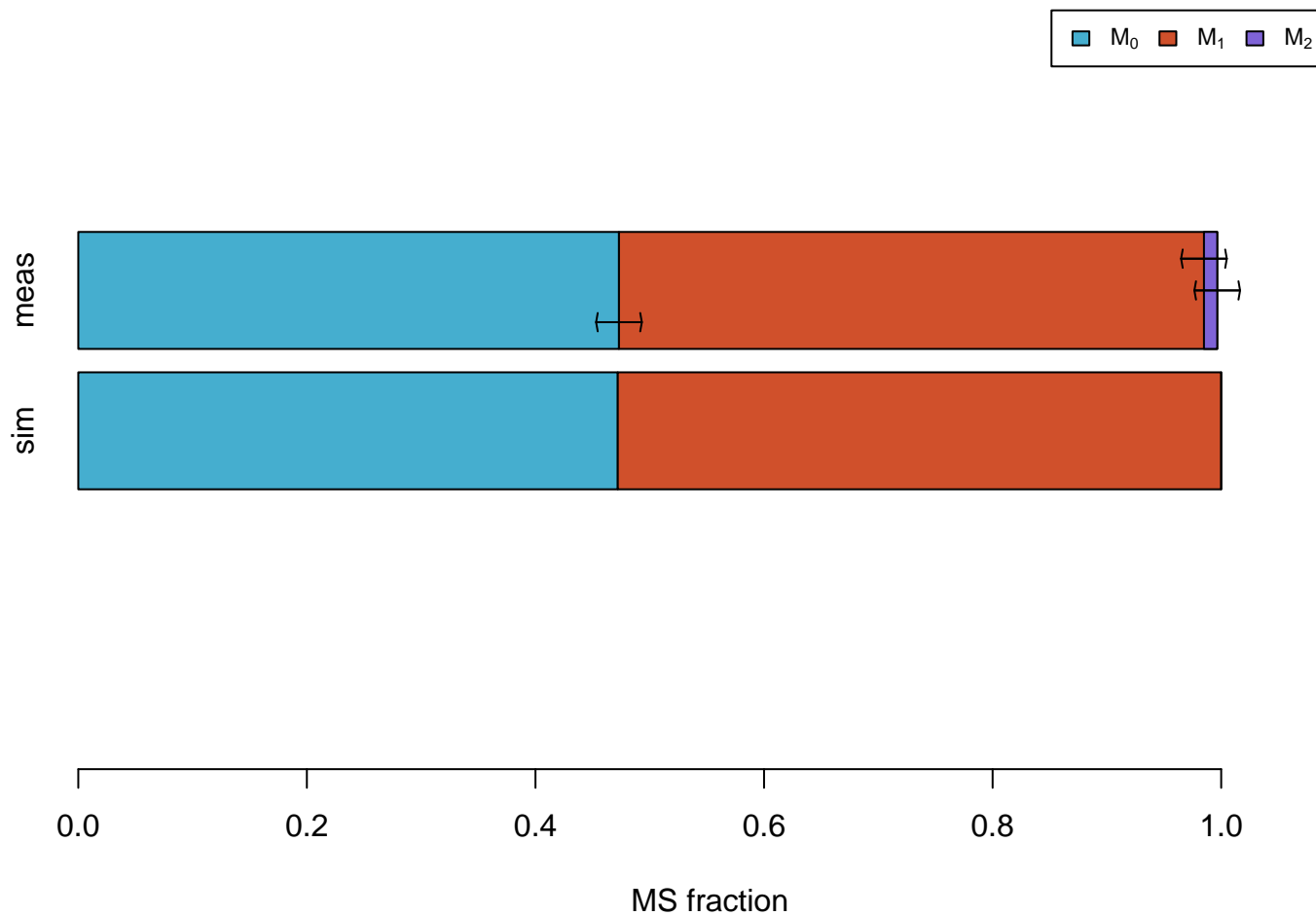


Leu #011111

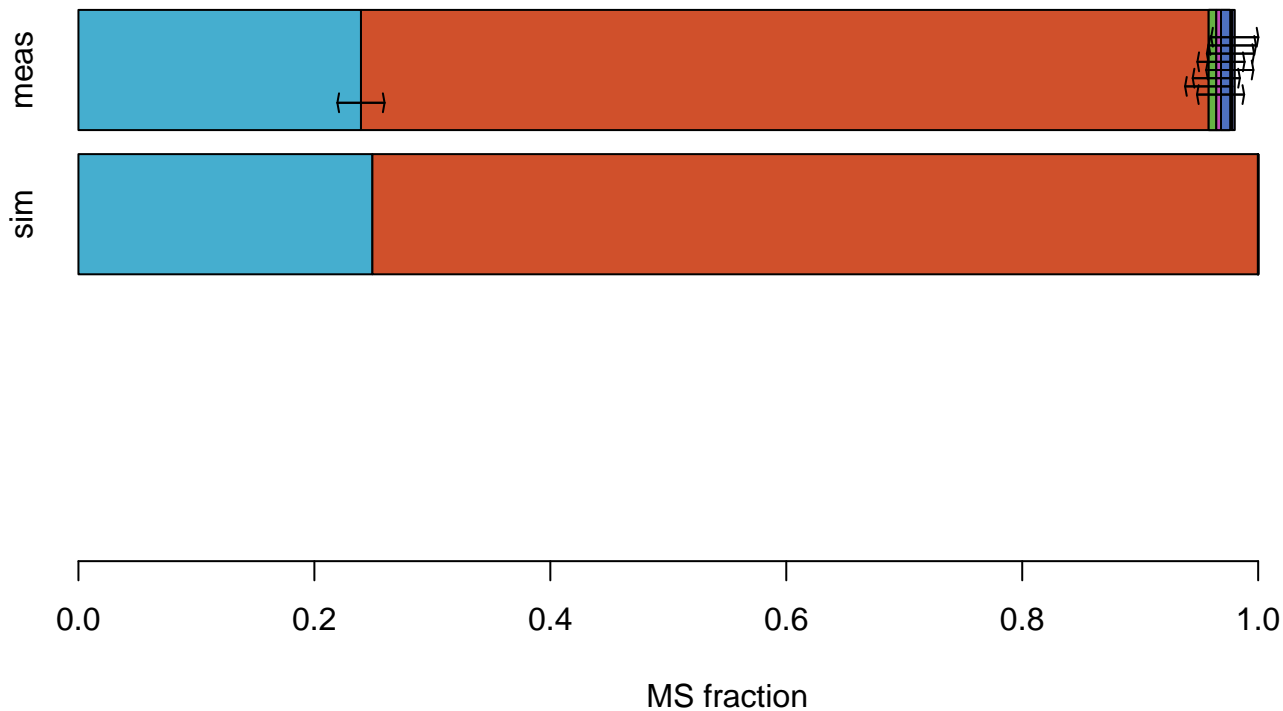


MS fraction

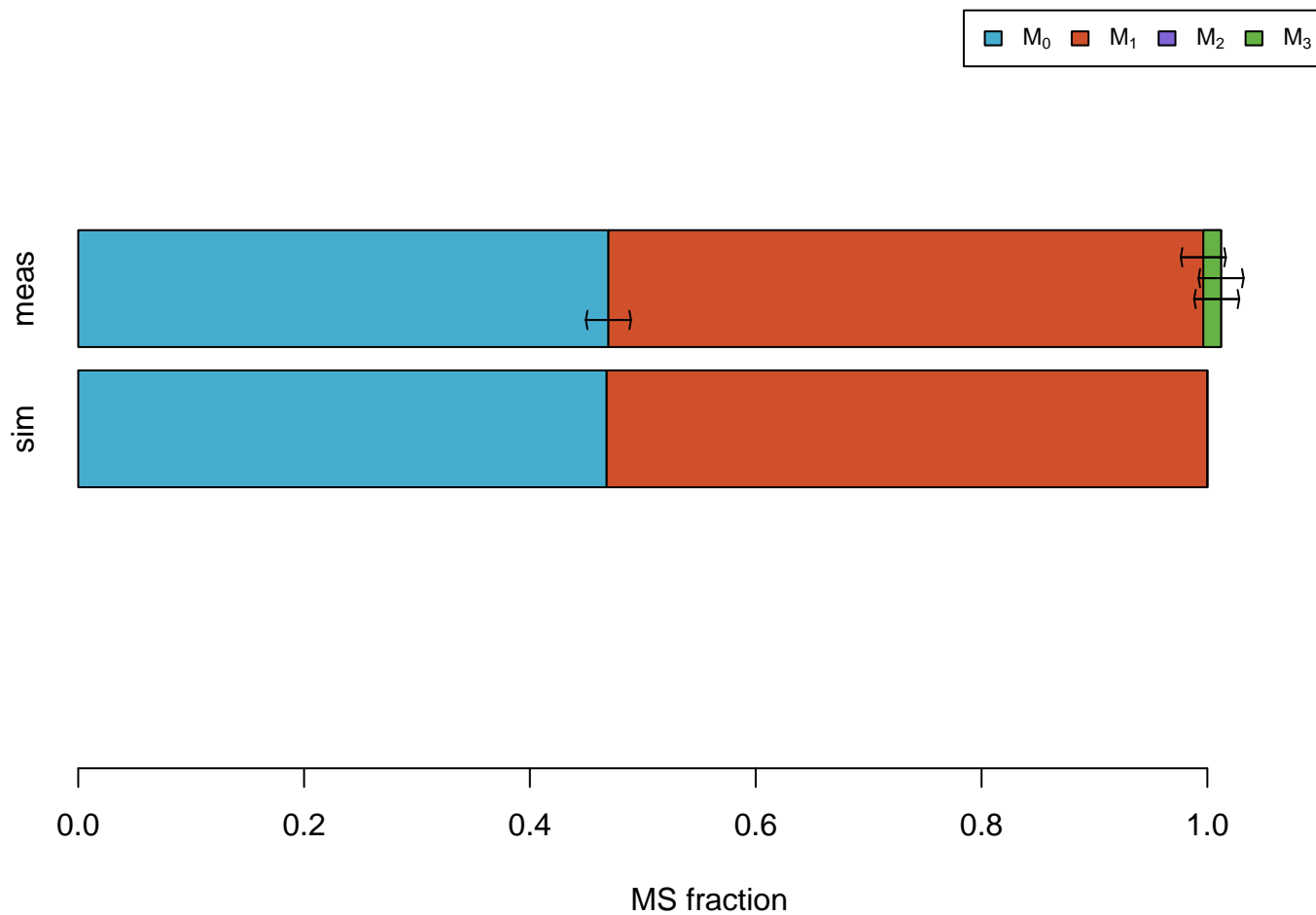
Phe #110000000



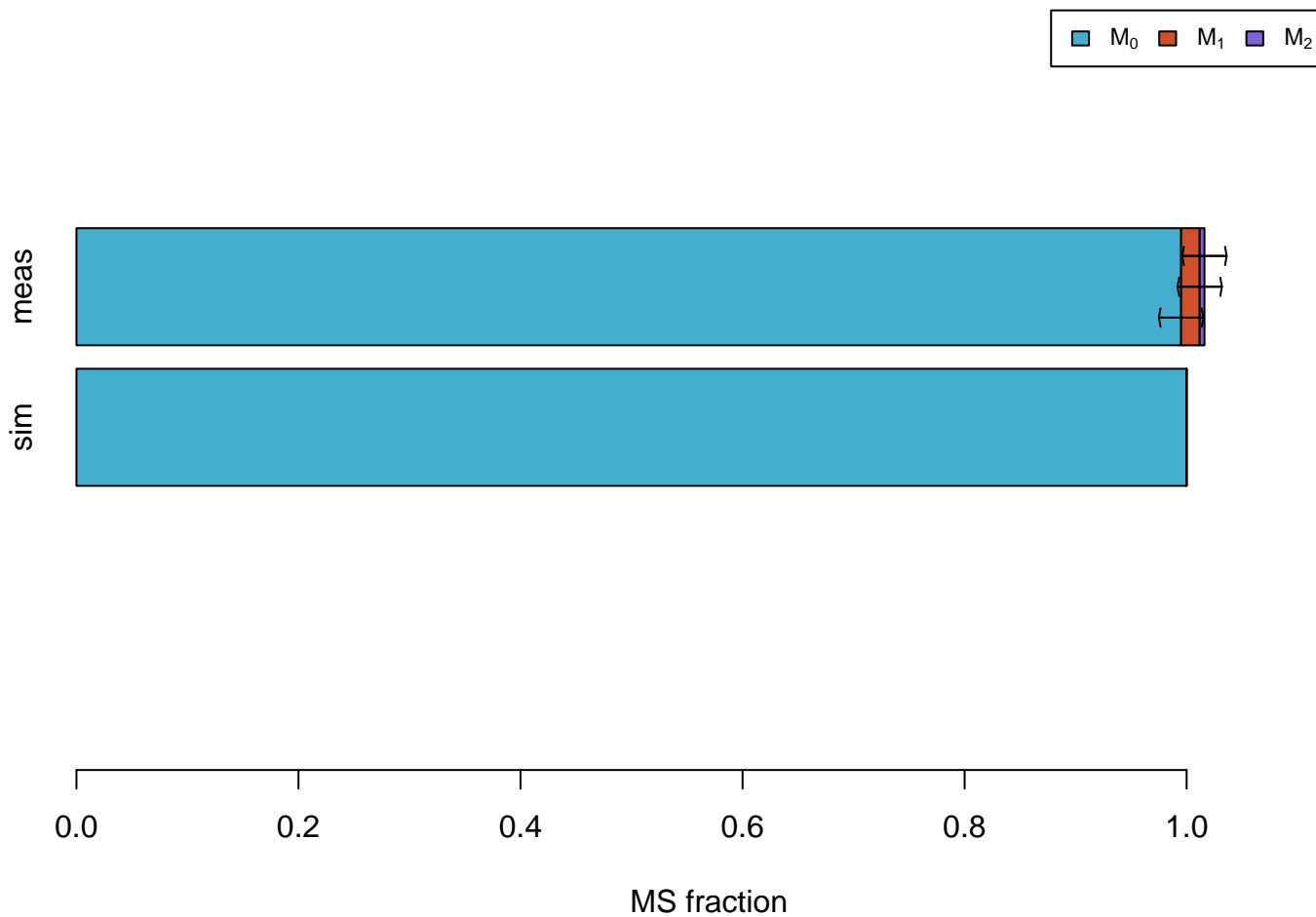
Phe #011111111



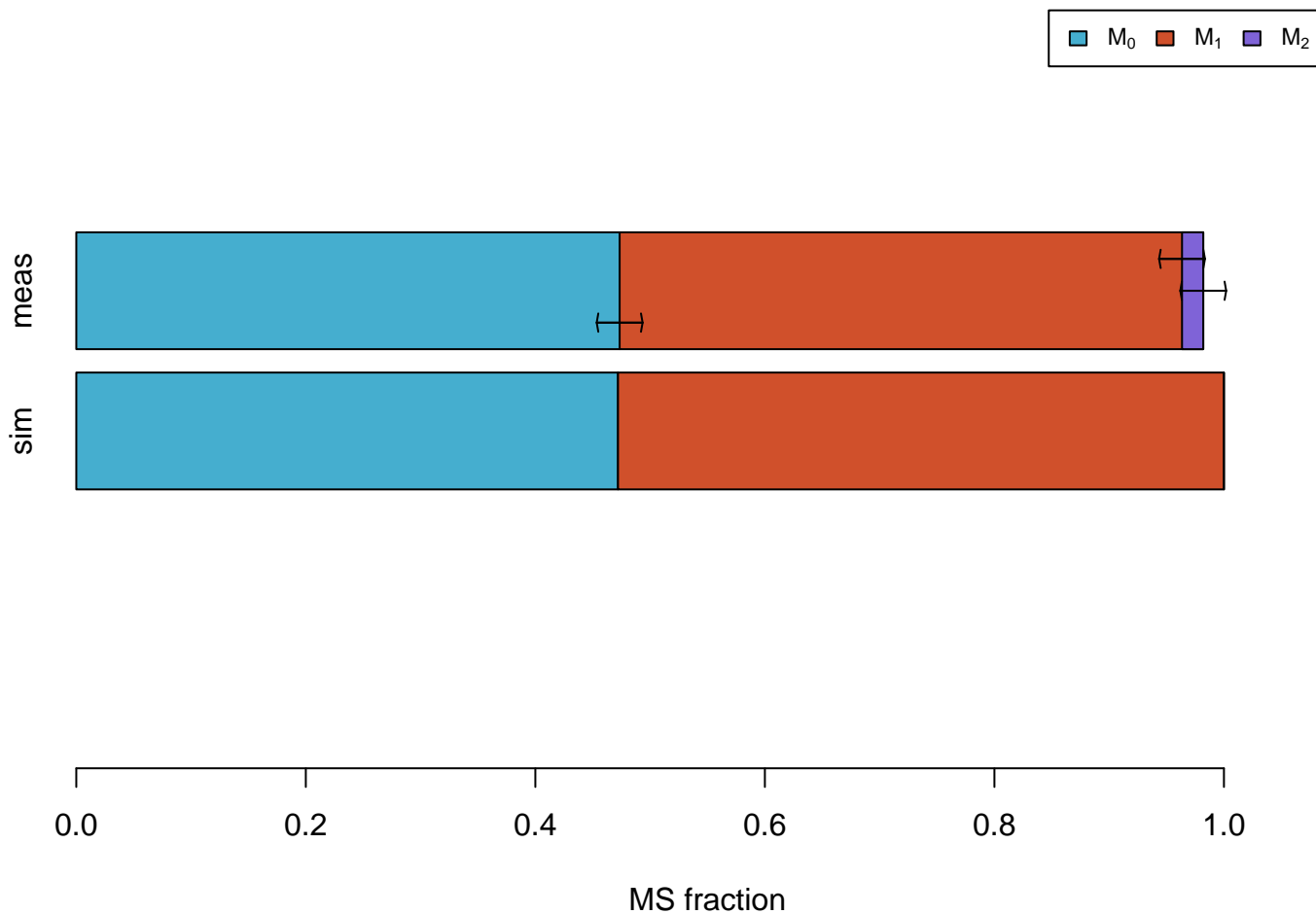
Ser



Ser #011



Tyr #110000000



Val

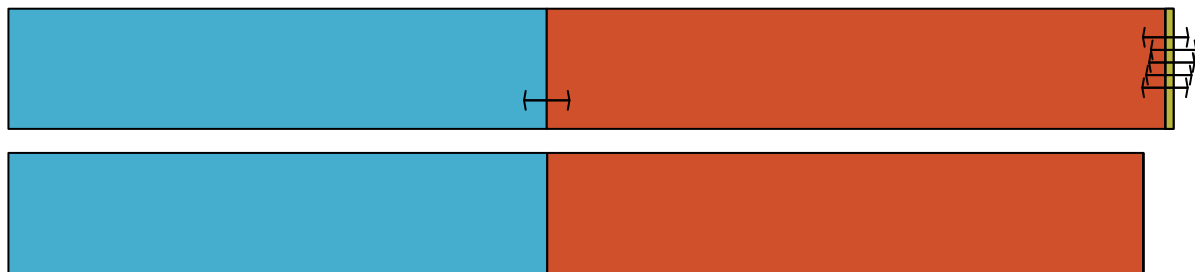


meas

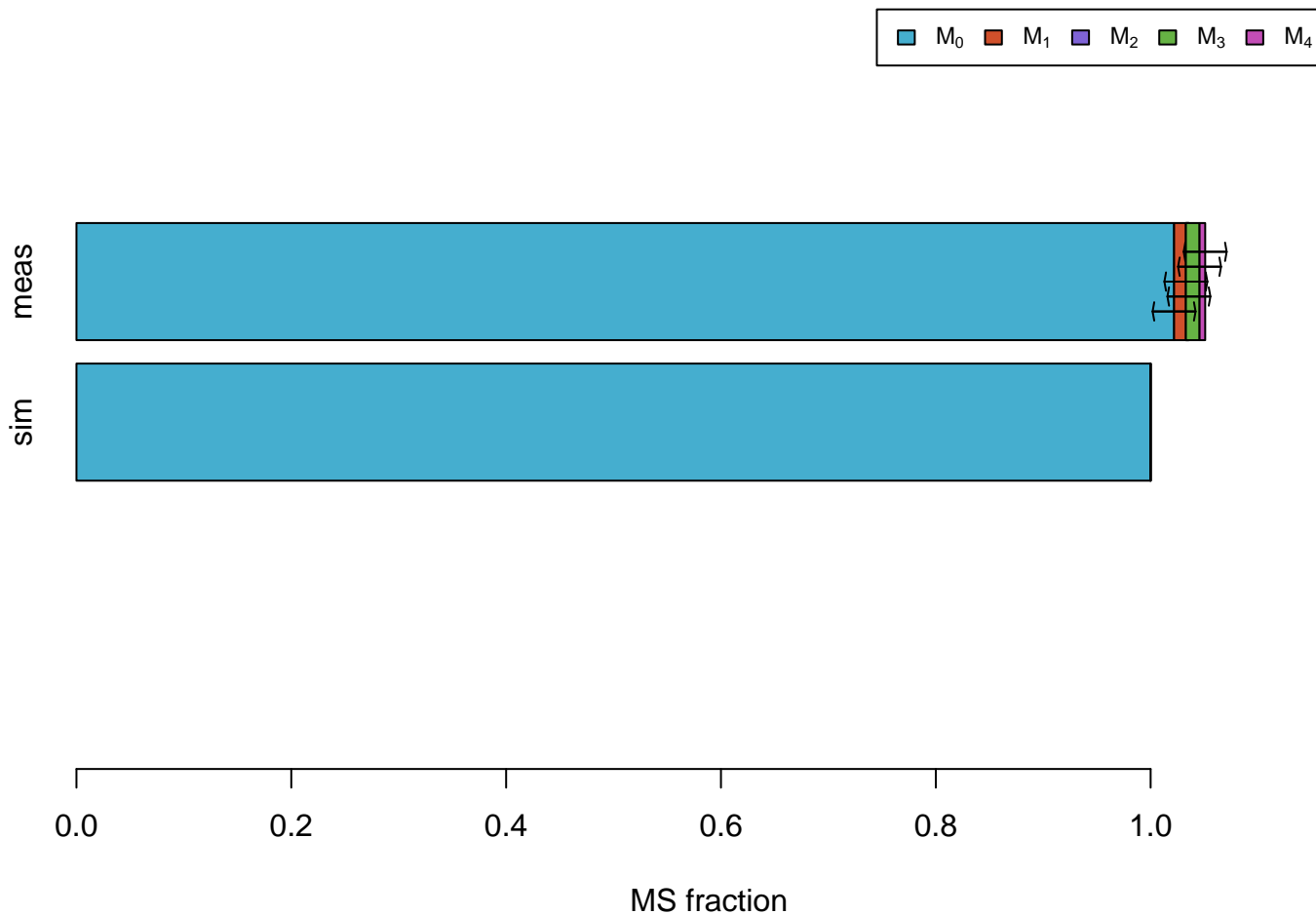
sim



MS fraction



Val #01111



MS simulations

3PG



MS fraction

Ac



sim



MS fraction

AcCoA

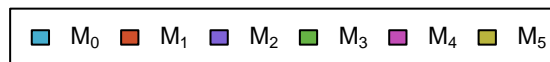


sim



MS fraction

AKG



MS fraction

Asn

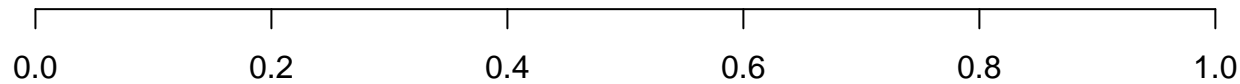


MS fraction

CO2



sim



MS fraction

Cys



MS fraction

DHAP



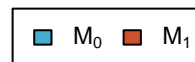
MS fraction

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



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Glyox



sim



0.0

0.2

0.4

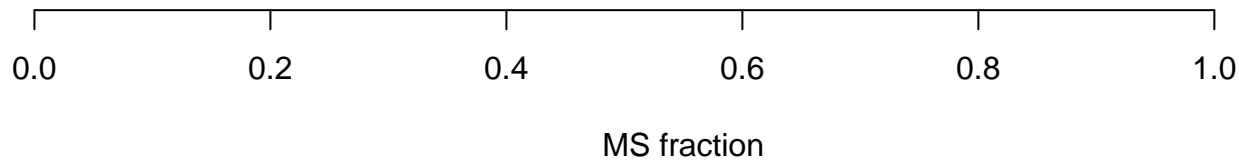
0.6

0.8

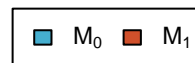
1.0

MS fraction

Mal



MEETHF



sim



0.0

0.2

0.4

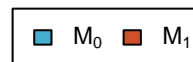
0.6

0.8

1.0

MS fraction

METHF



sim



MS fraction

OAC



MS fraction

PEP



MS fraction

Pro



sim



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