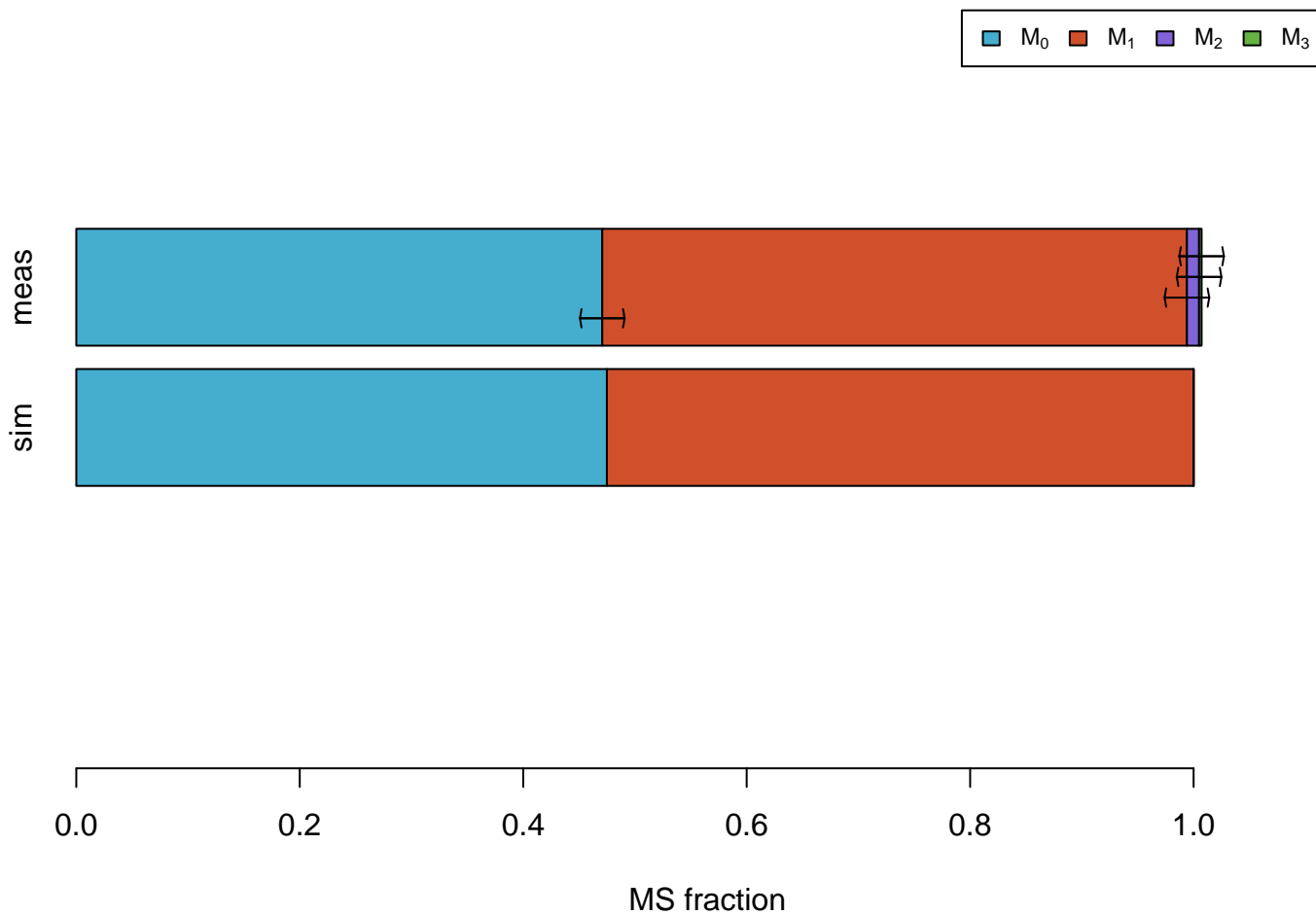
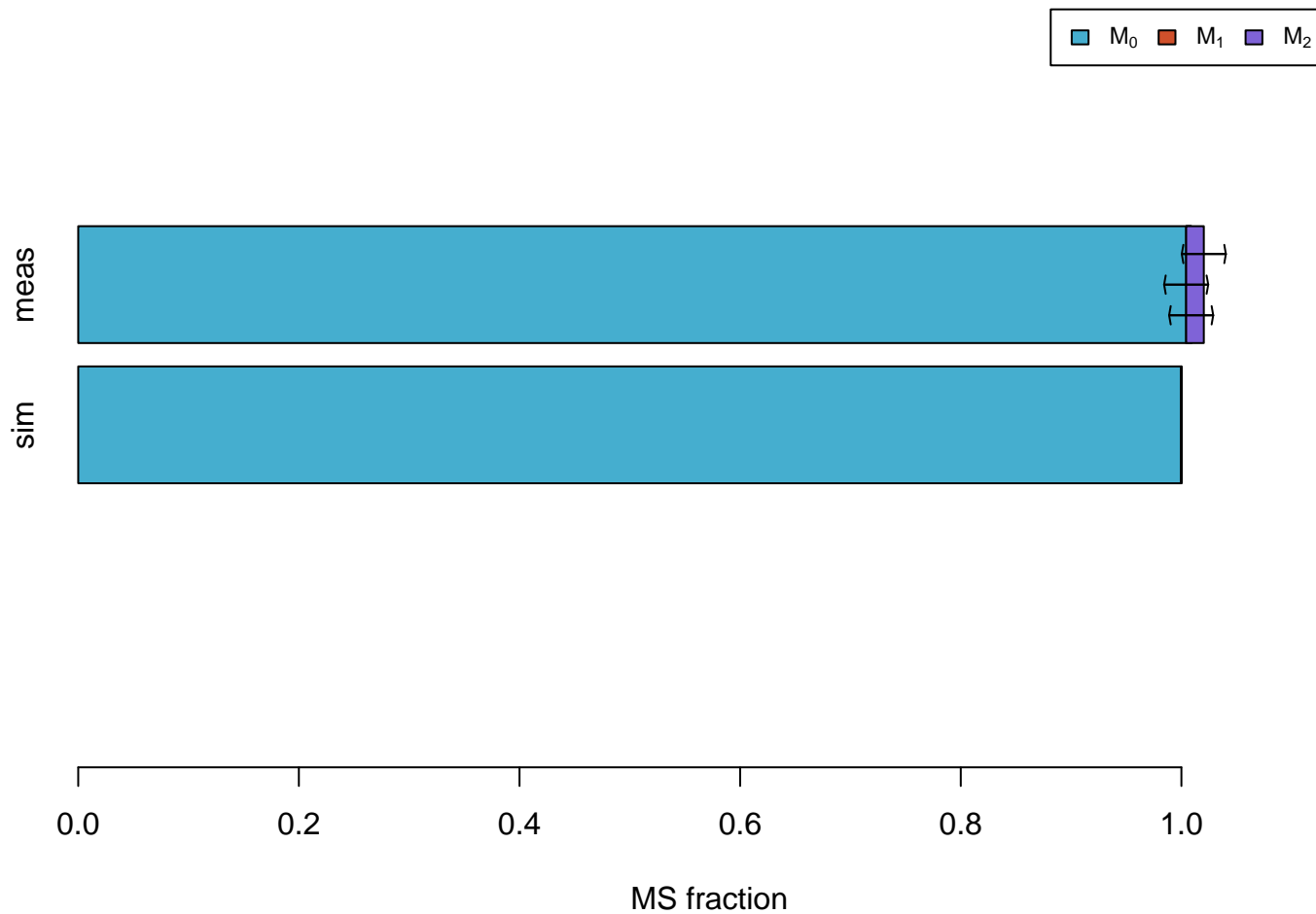


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

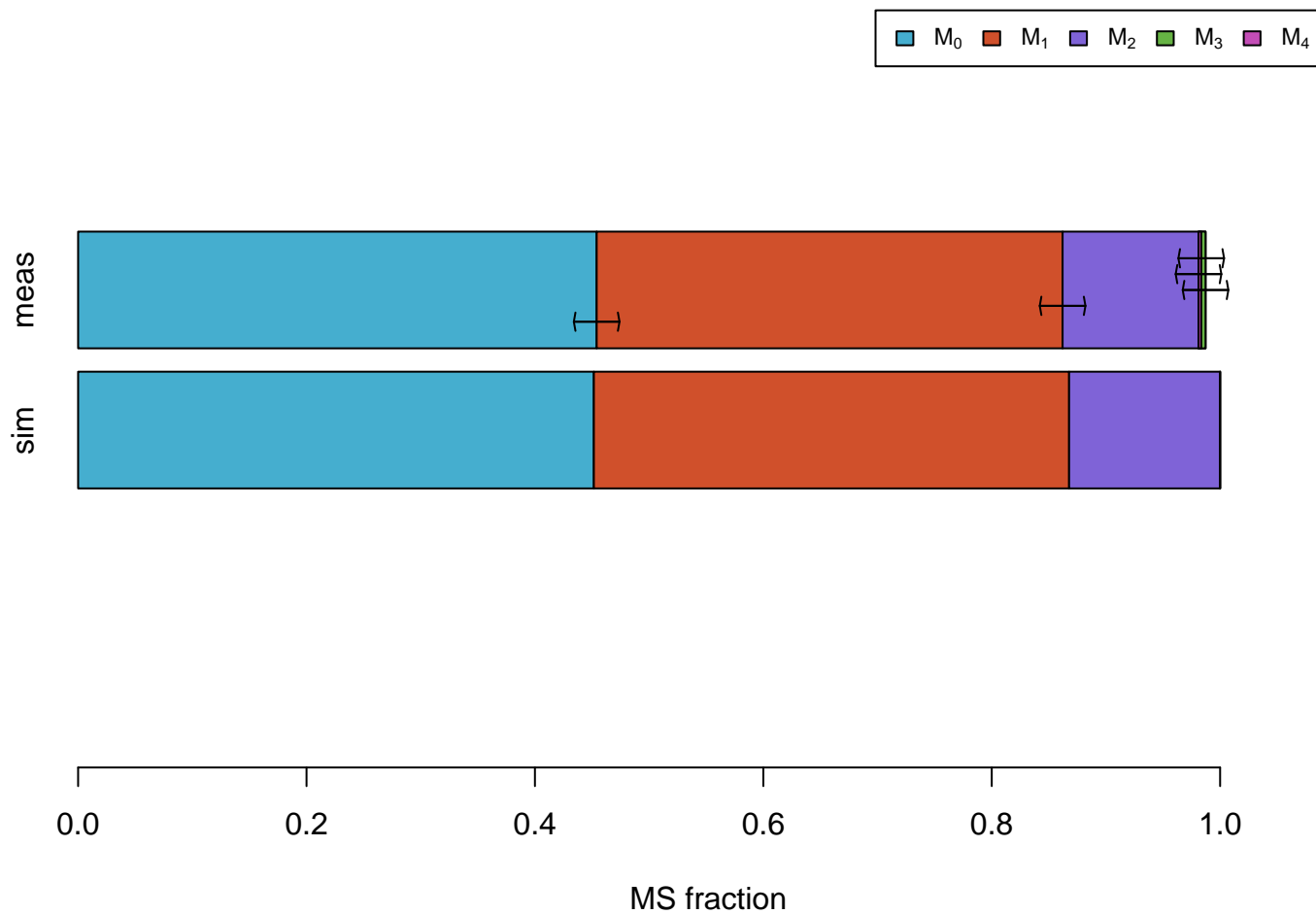
Ala



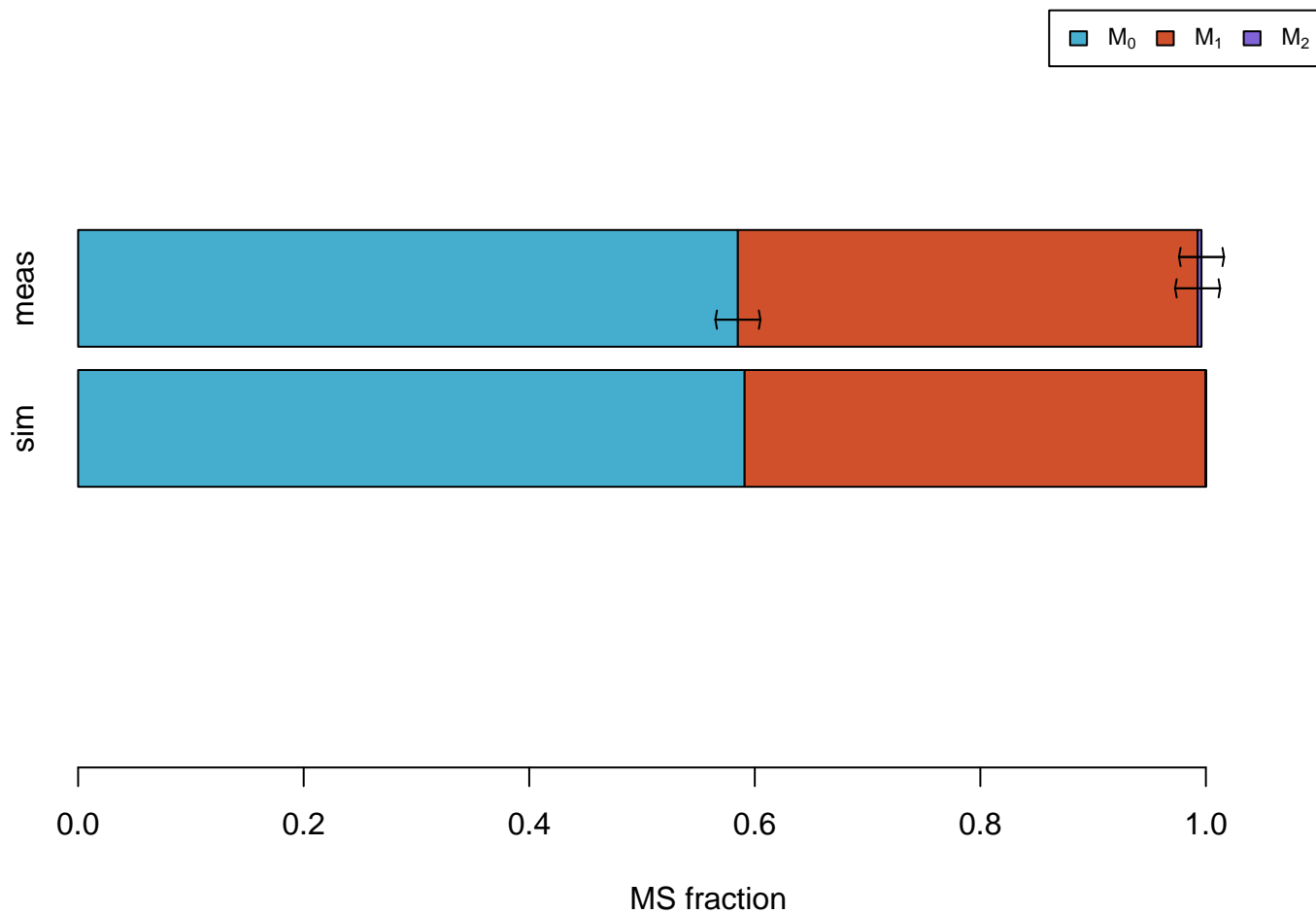
Ala #011



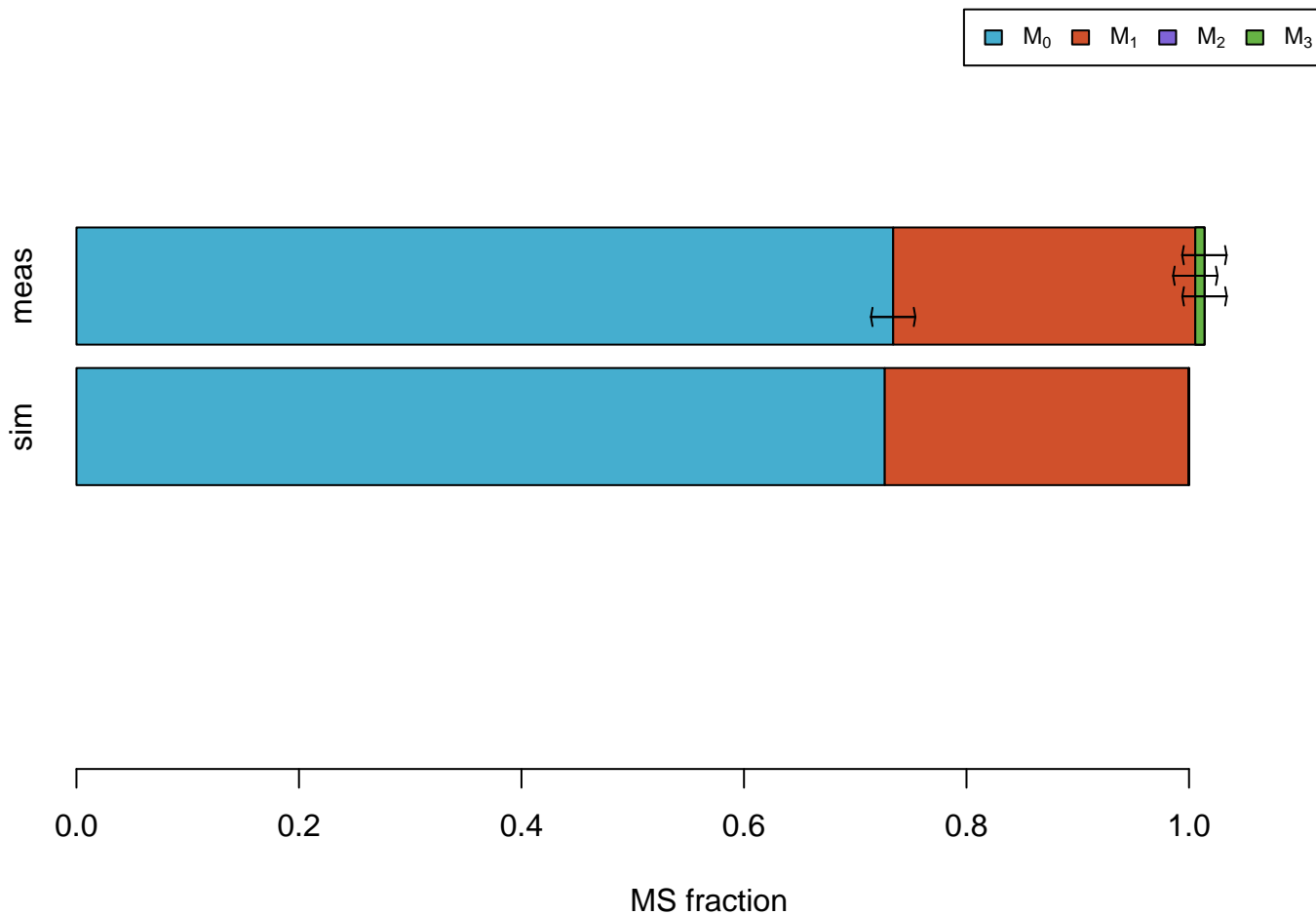
Asp



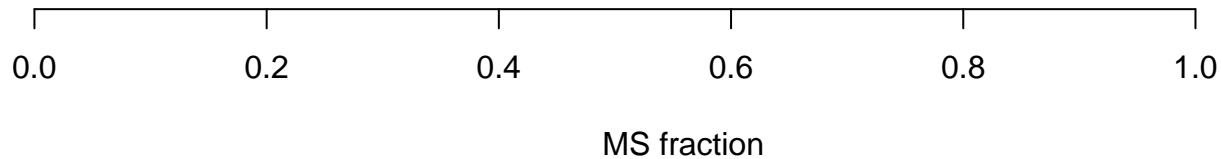
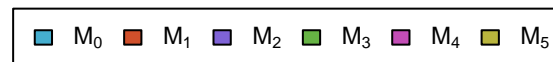
Asp #1100



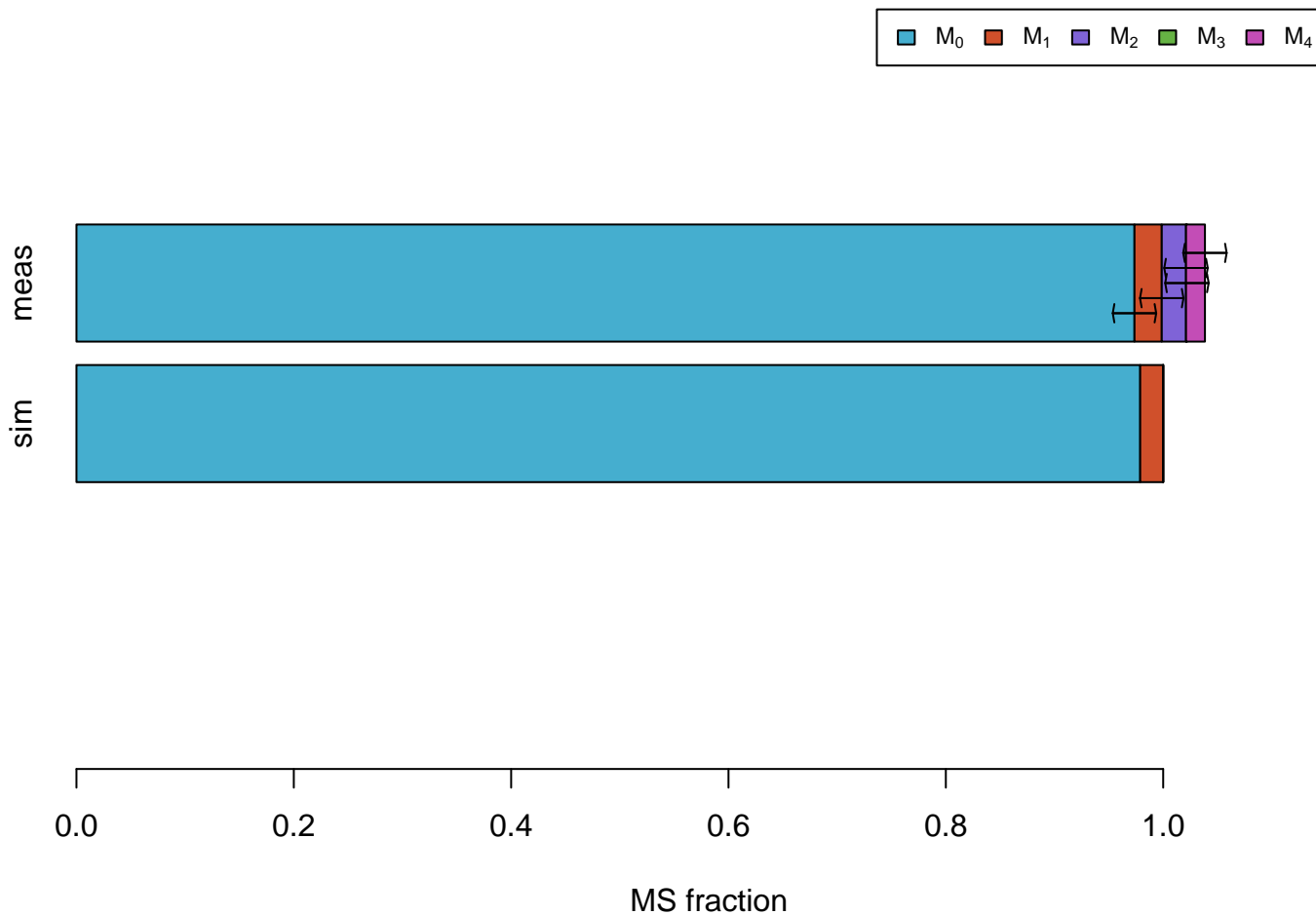
Asp #0111



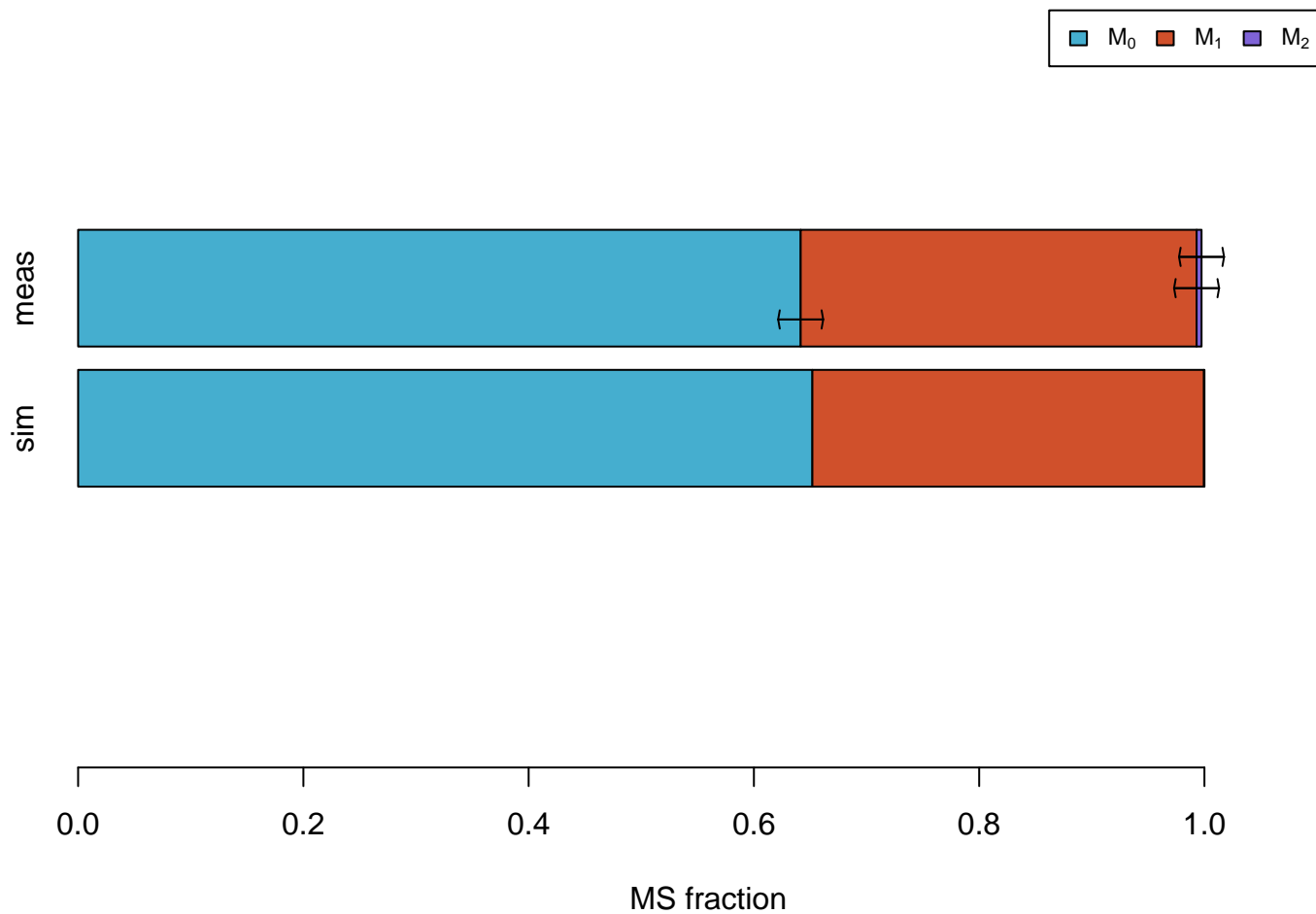
Glu



Glu #01111



Gly

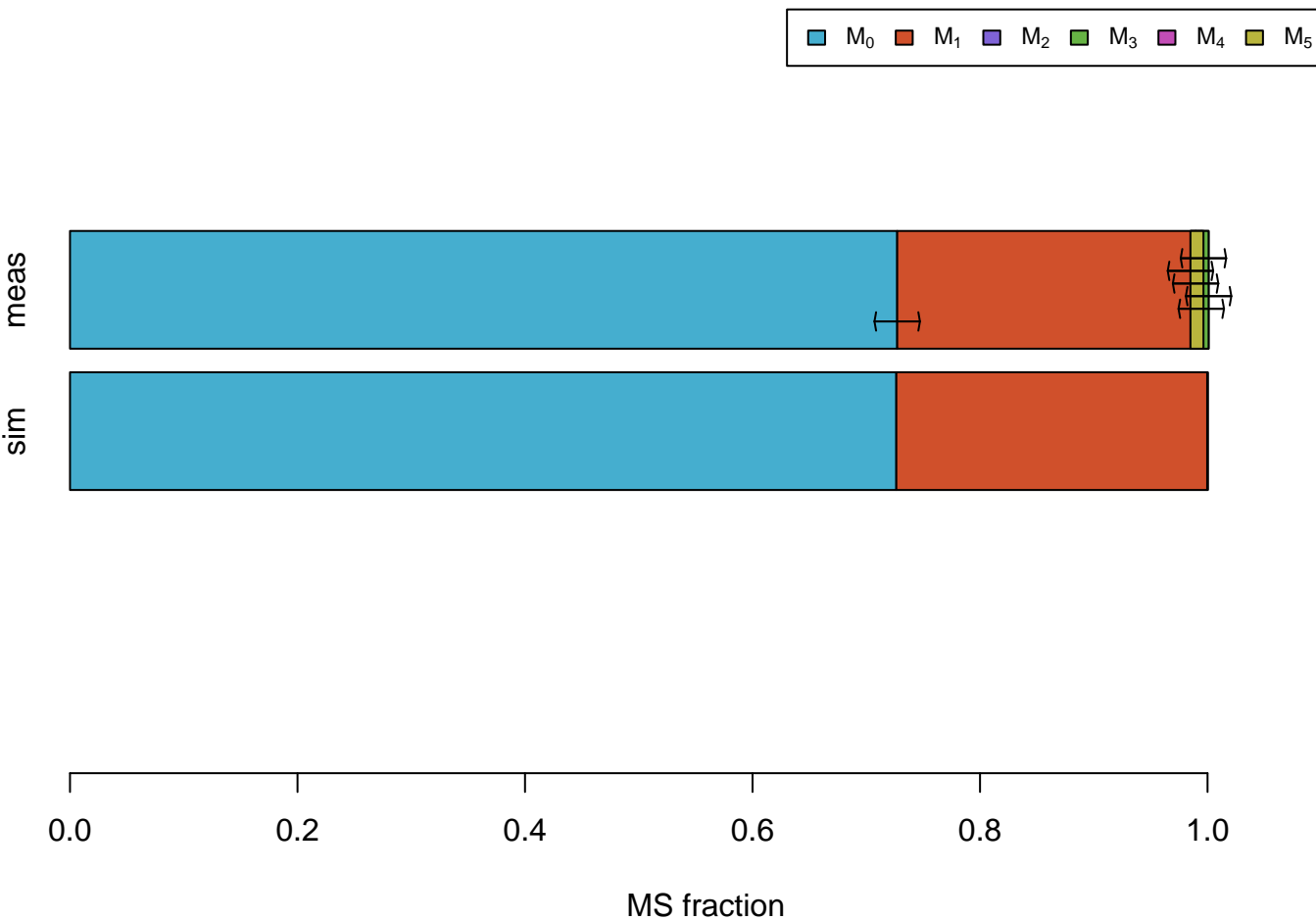


Gly #01

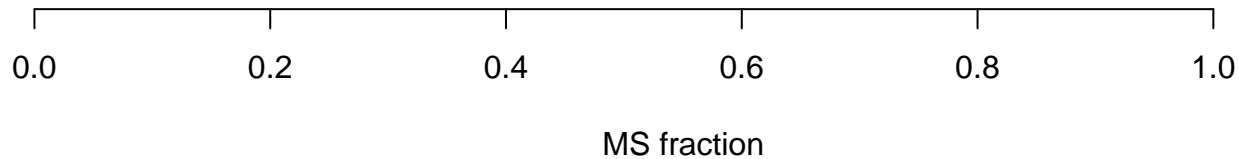
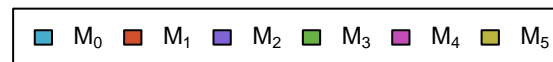


MS fraction

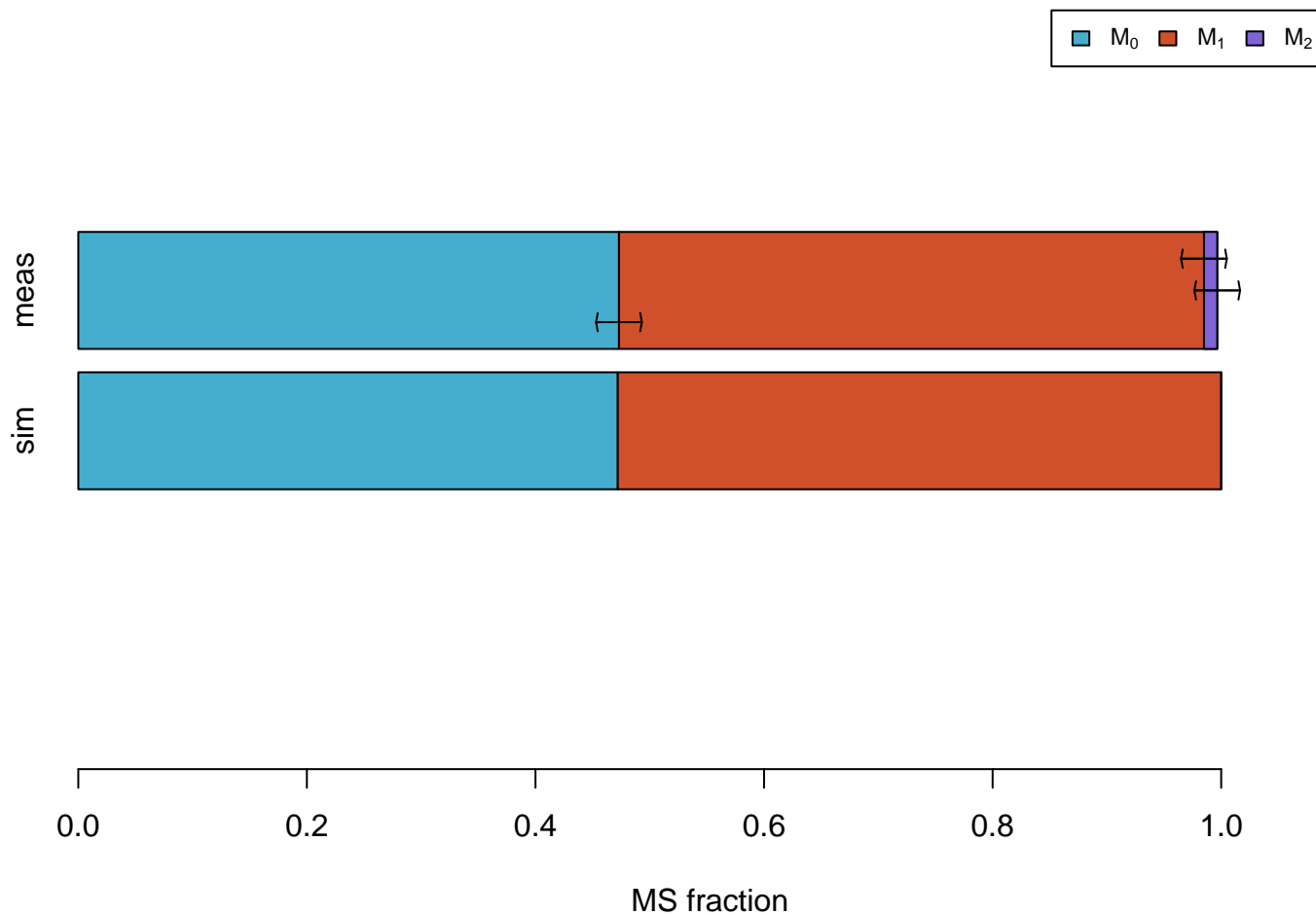
Ile #011111



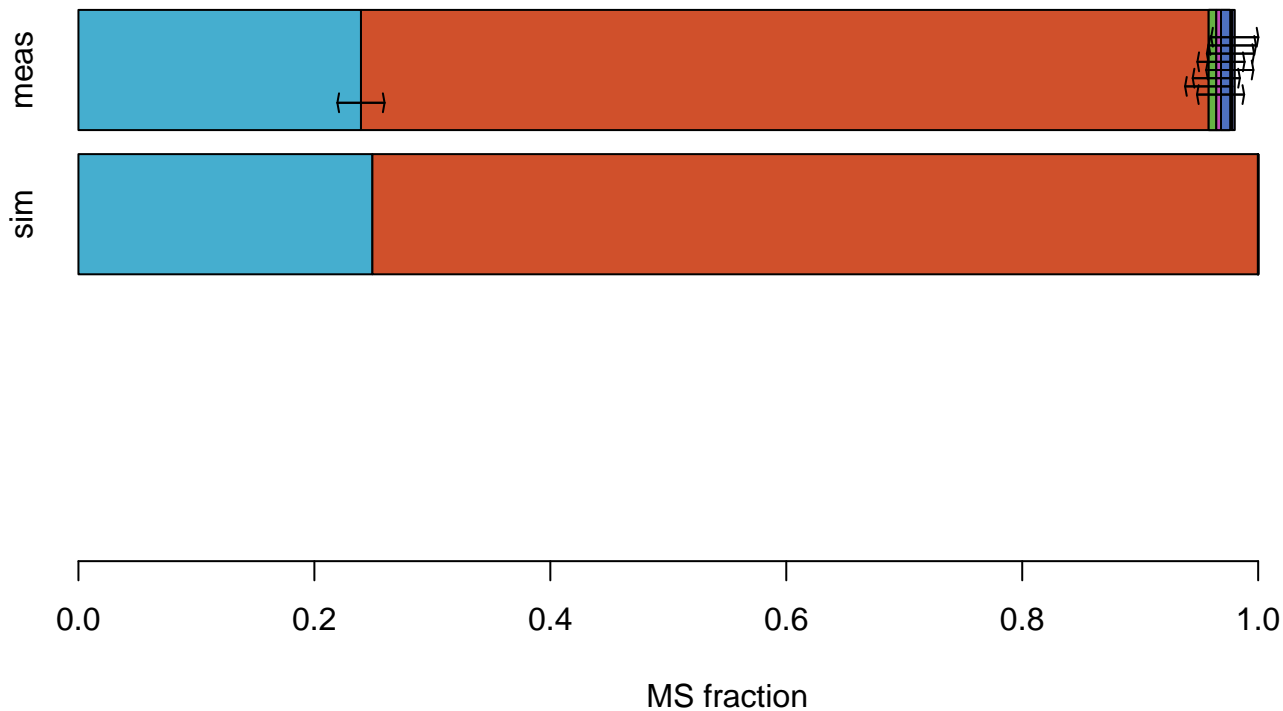
Leu #011111



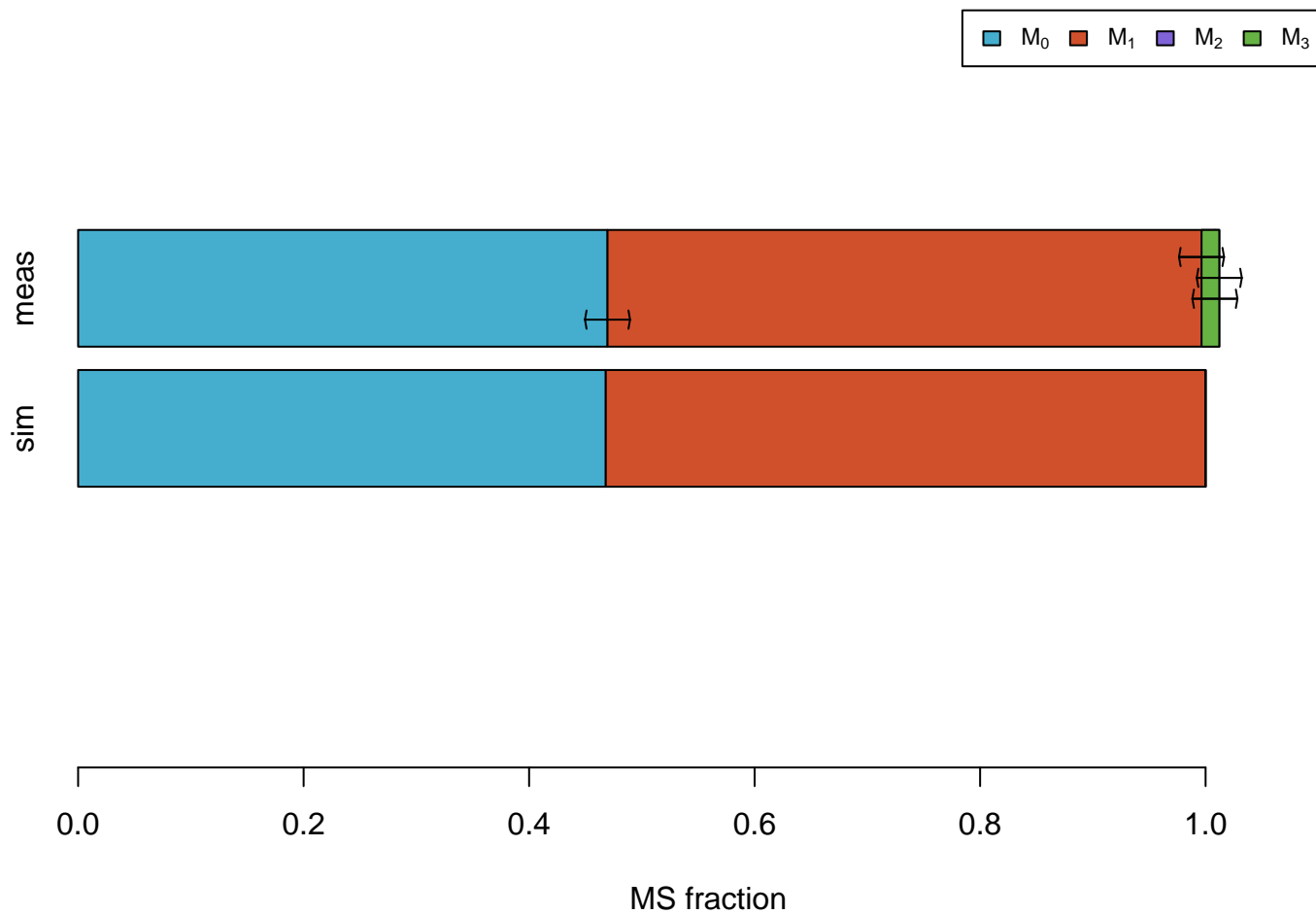
Phe #110000000



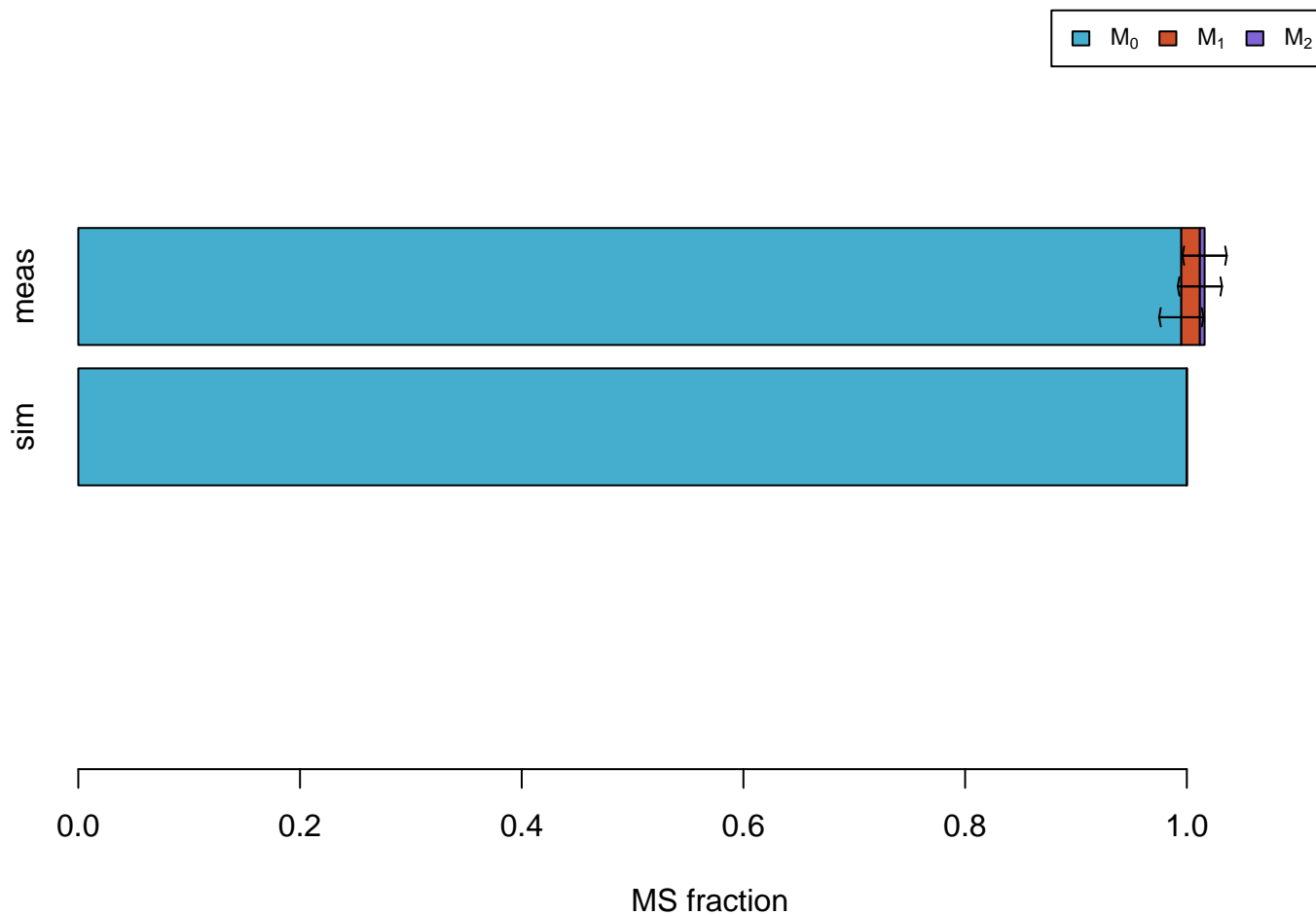
Phe #011111111



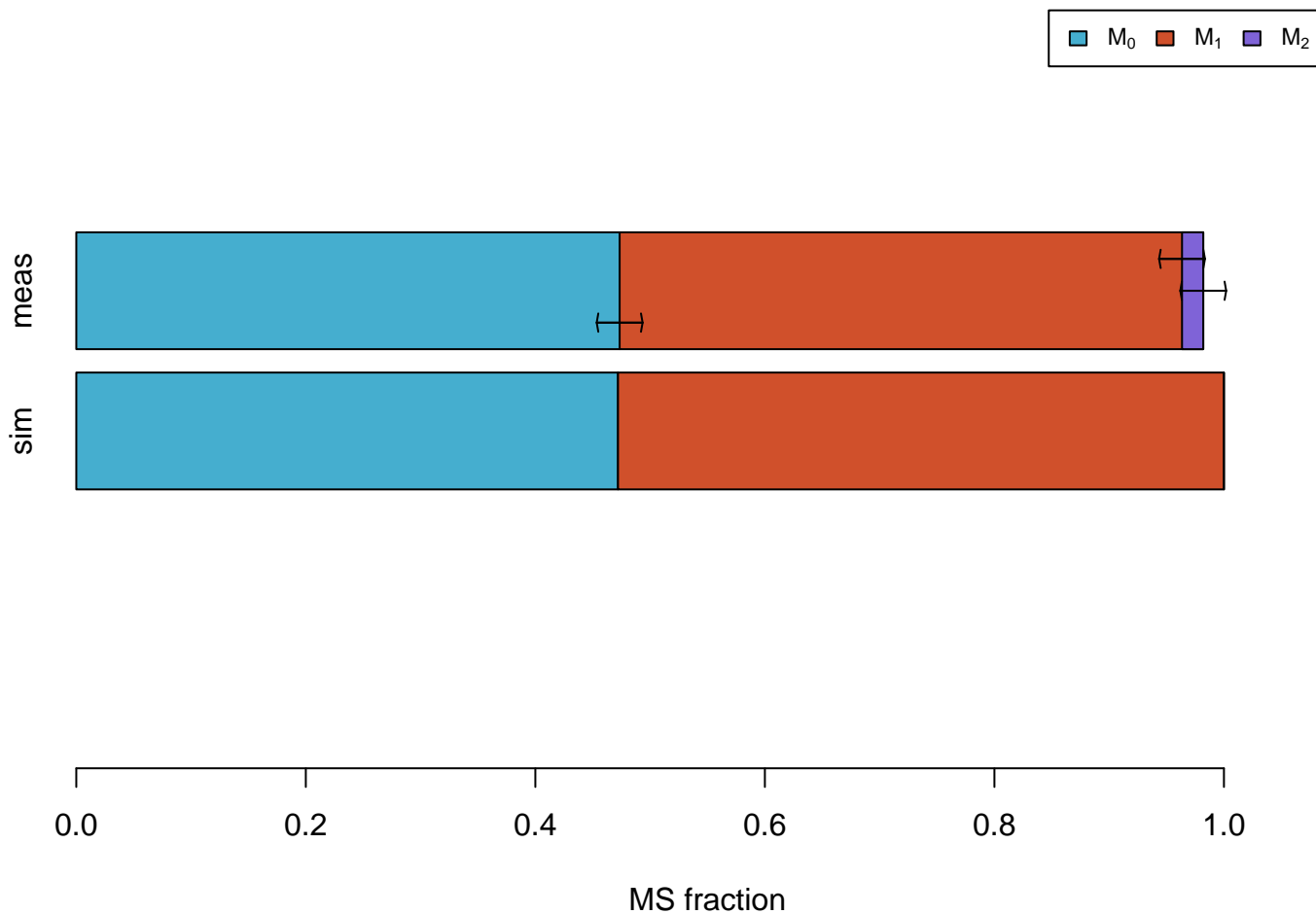
Ser



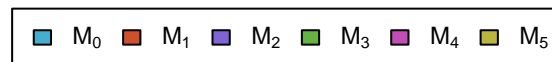
Ser #011



Tyr #110000000



Val



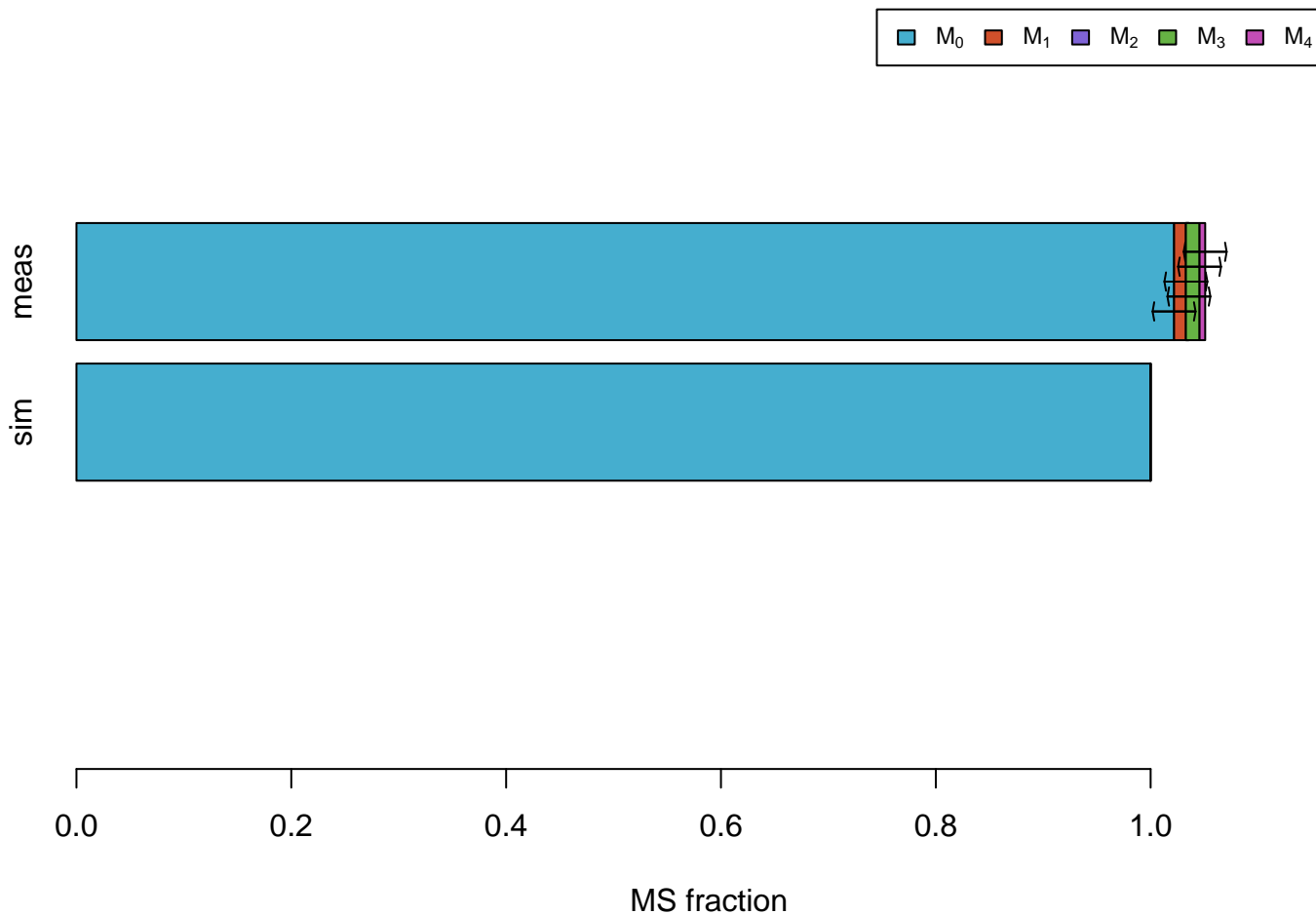
meas

sim



MS fraction

Val #01111



MS simulations

3PG



MS fraction

Ac



sim



MS fraction

AcCoA

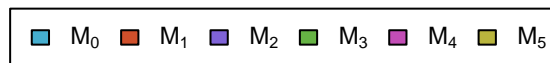


sim



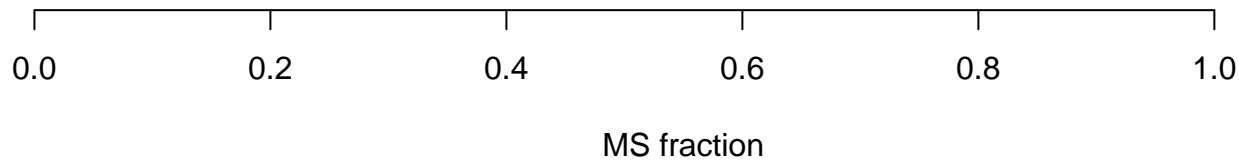
MS fraction

AKG



MS fraction

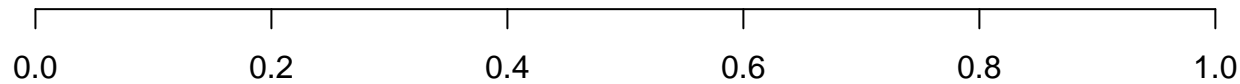
Asn



CO2

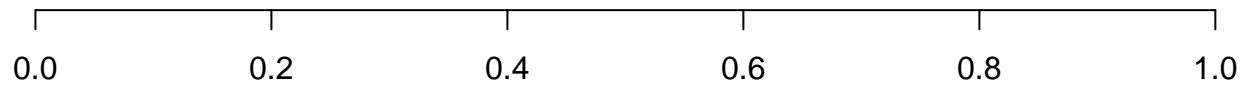


sim



MS fraction

Cys



MS fraction

DHAP



MS fraction

E4P



MS fraction

FTHF



sim



MS fraction

Fum



sim



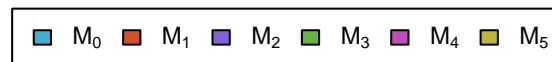
MS fraction

GAP



MS fraction

Gln



sim



MS fraction

Glyox

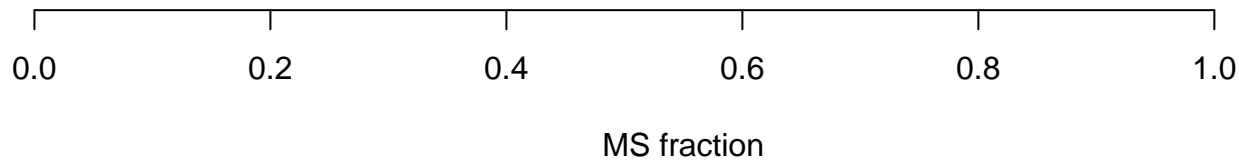


sim



MS fraction

Mal



MEETHF



sim



0.0

0.2

0.4

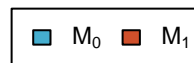
0.6

0.8

1.0

MS fraction

METHF



sim



MS fraction

OAC



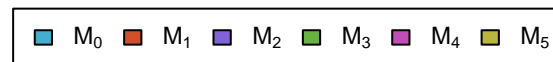
MS fraction

PEP



MS fraction

Pro



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Pyr



sim



MS fraction

Suc



MS fraction

SucCoA



sim



MS fraction

TA-C3



sim



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction