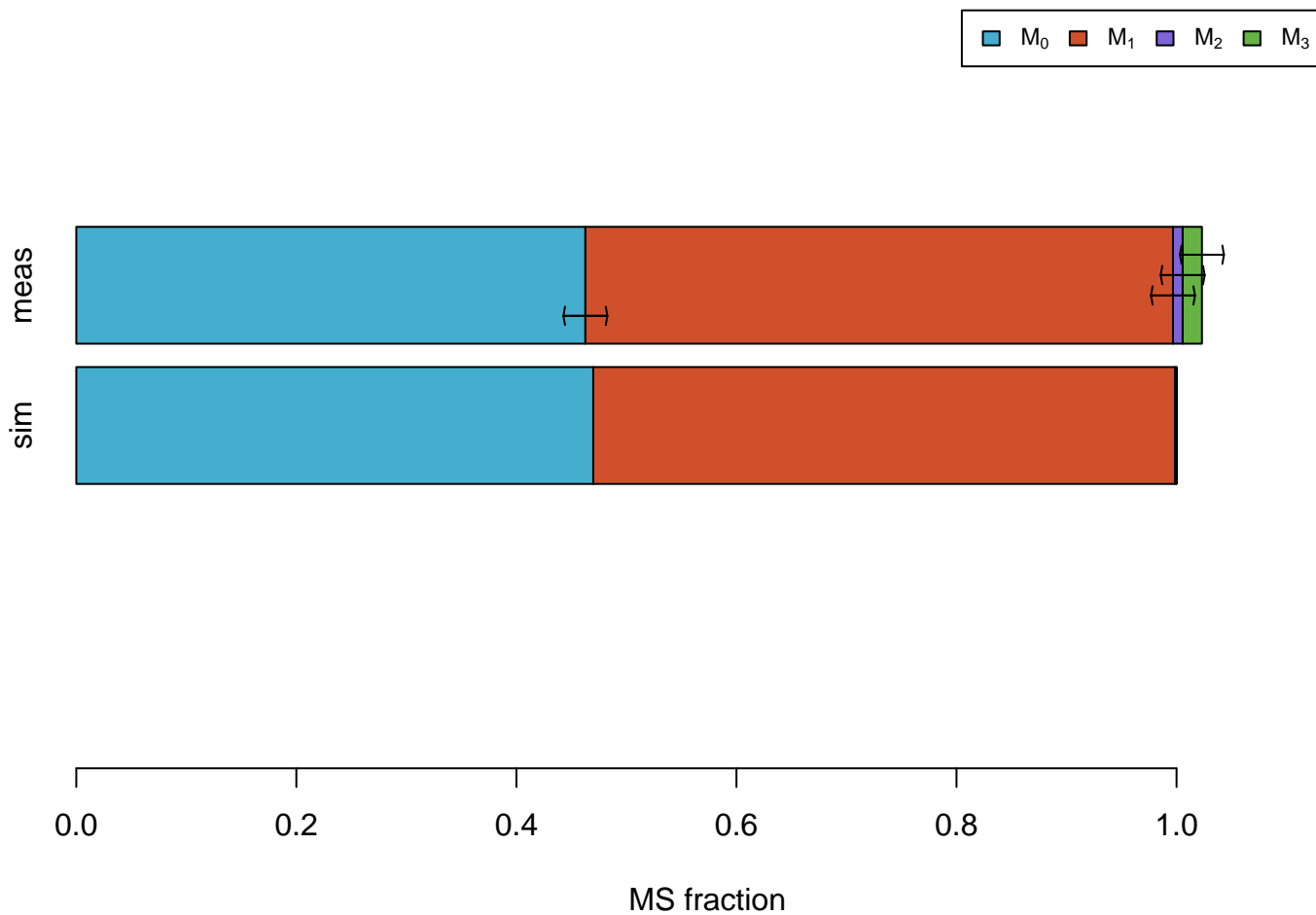
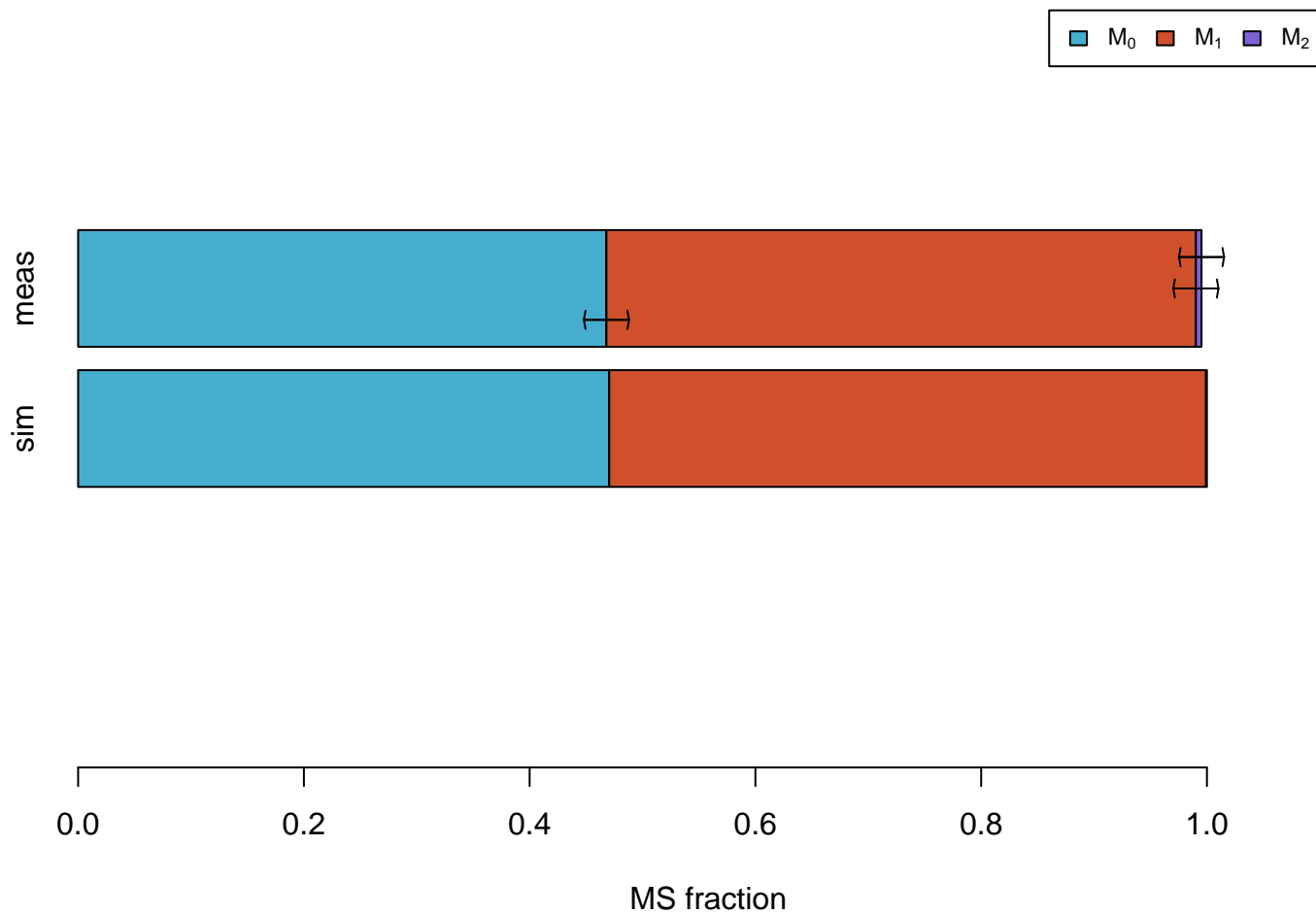


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

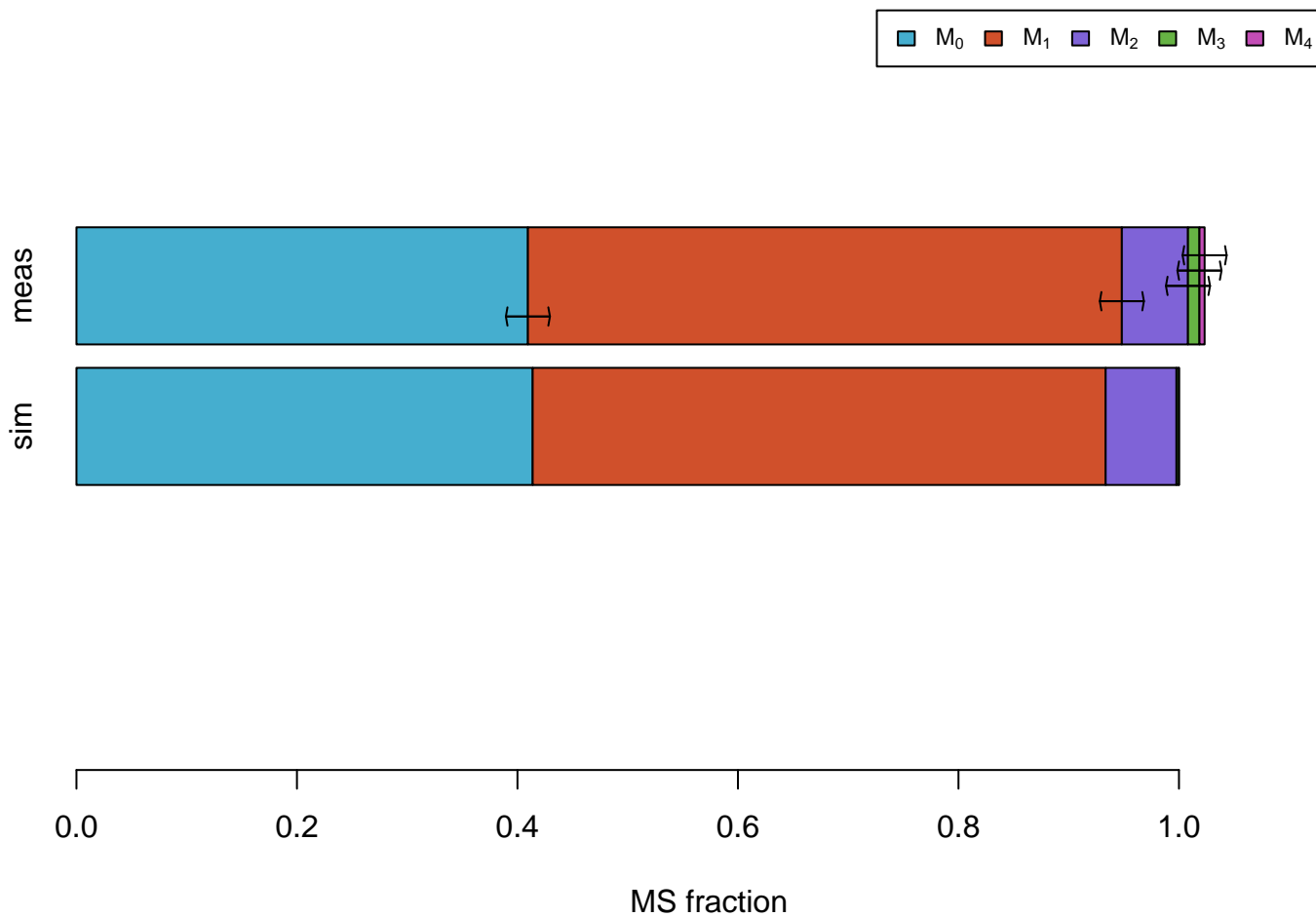
Ala



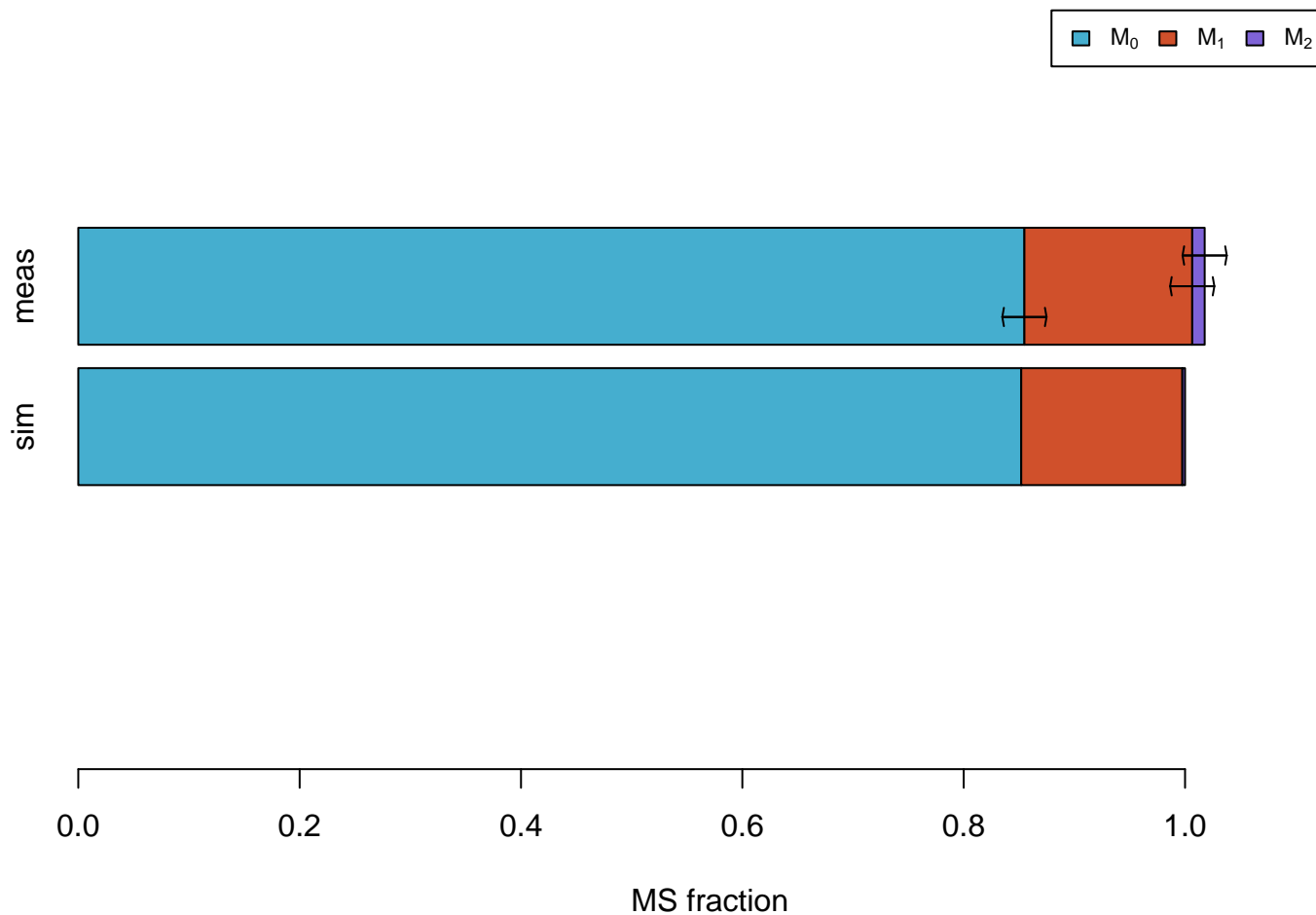
Ala #011



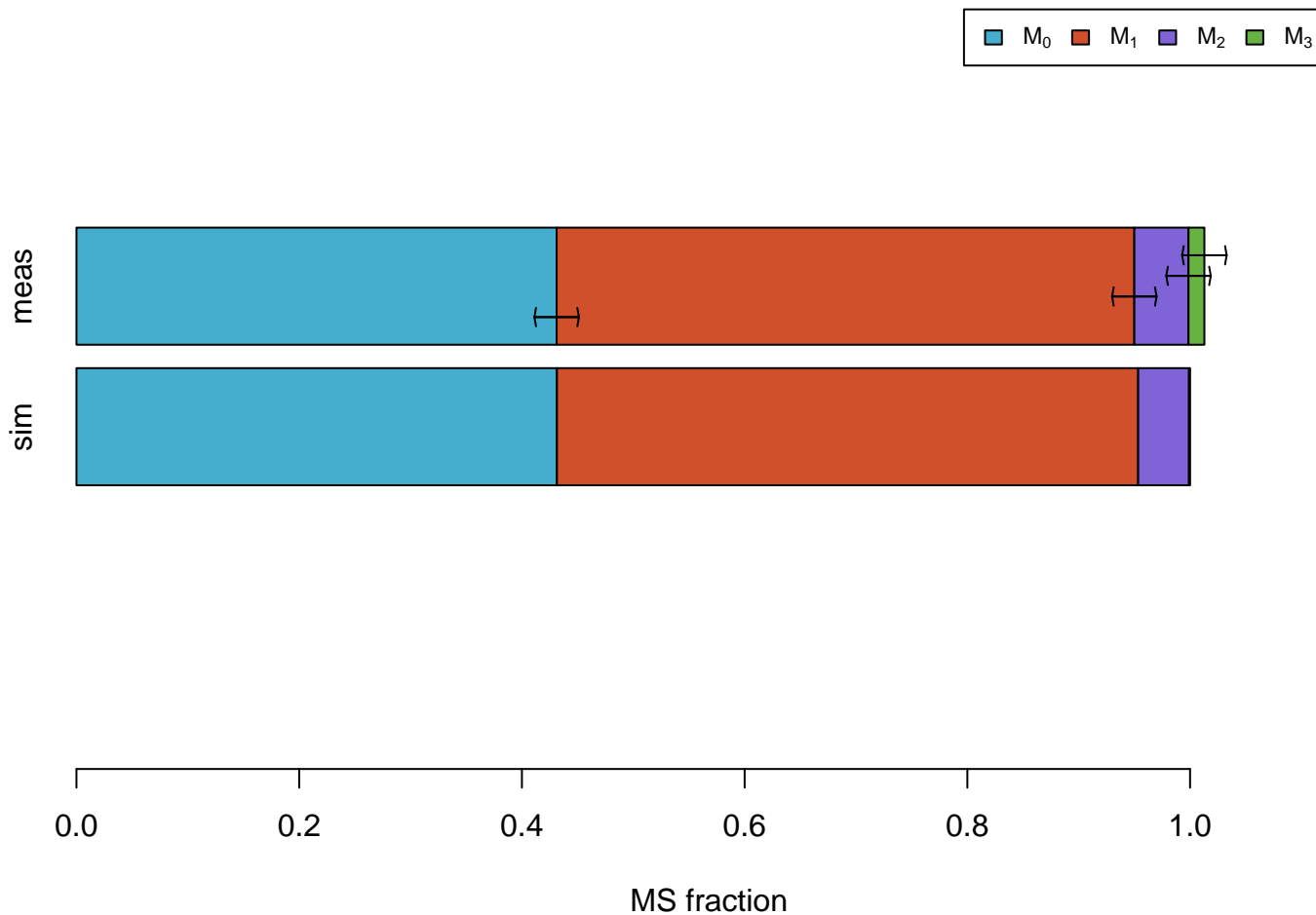
Asp



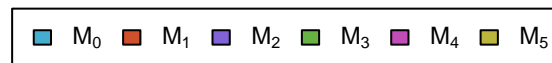
Asp #1100



Asp #0111



Glu

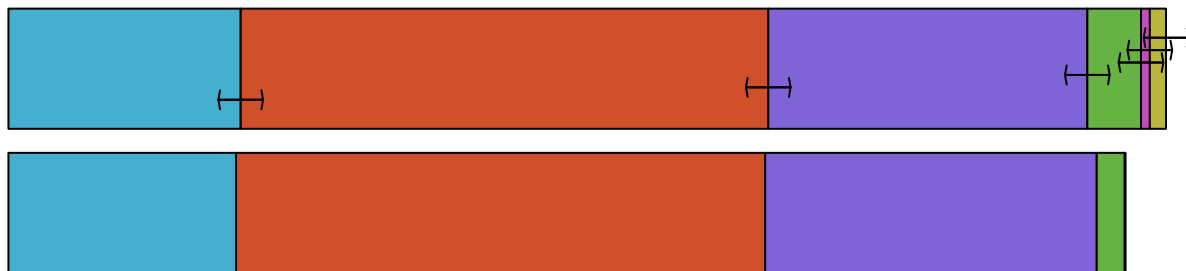


meas

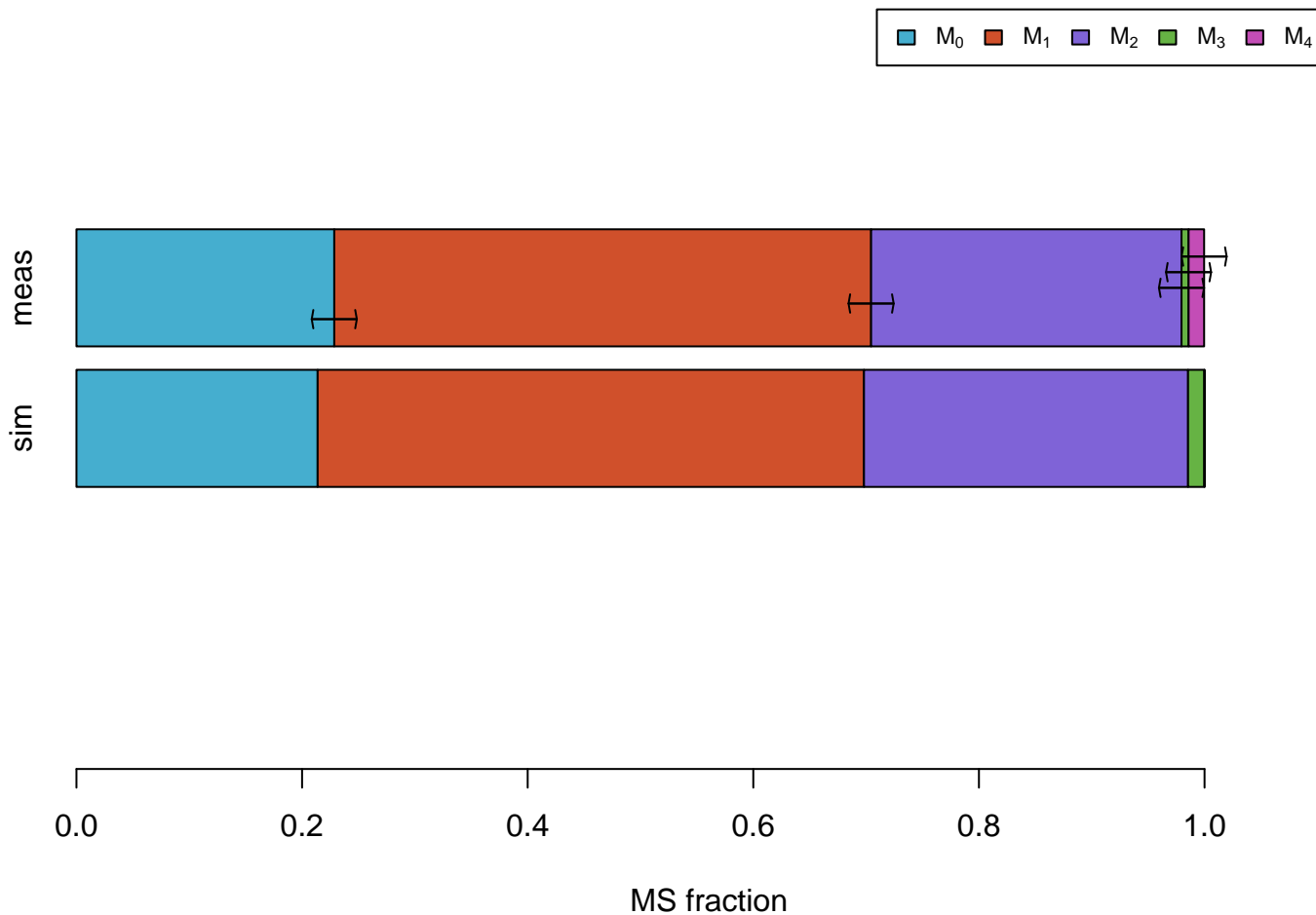
sim



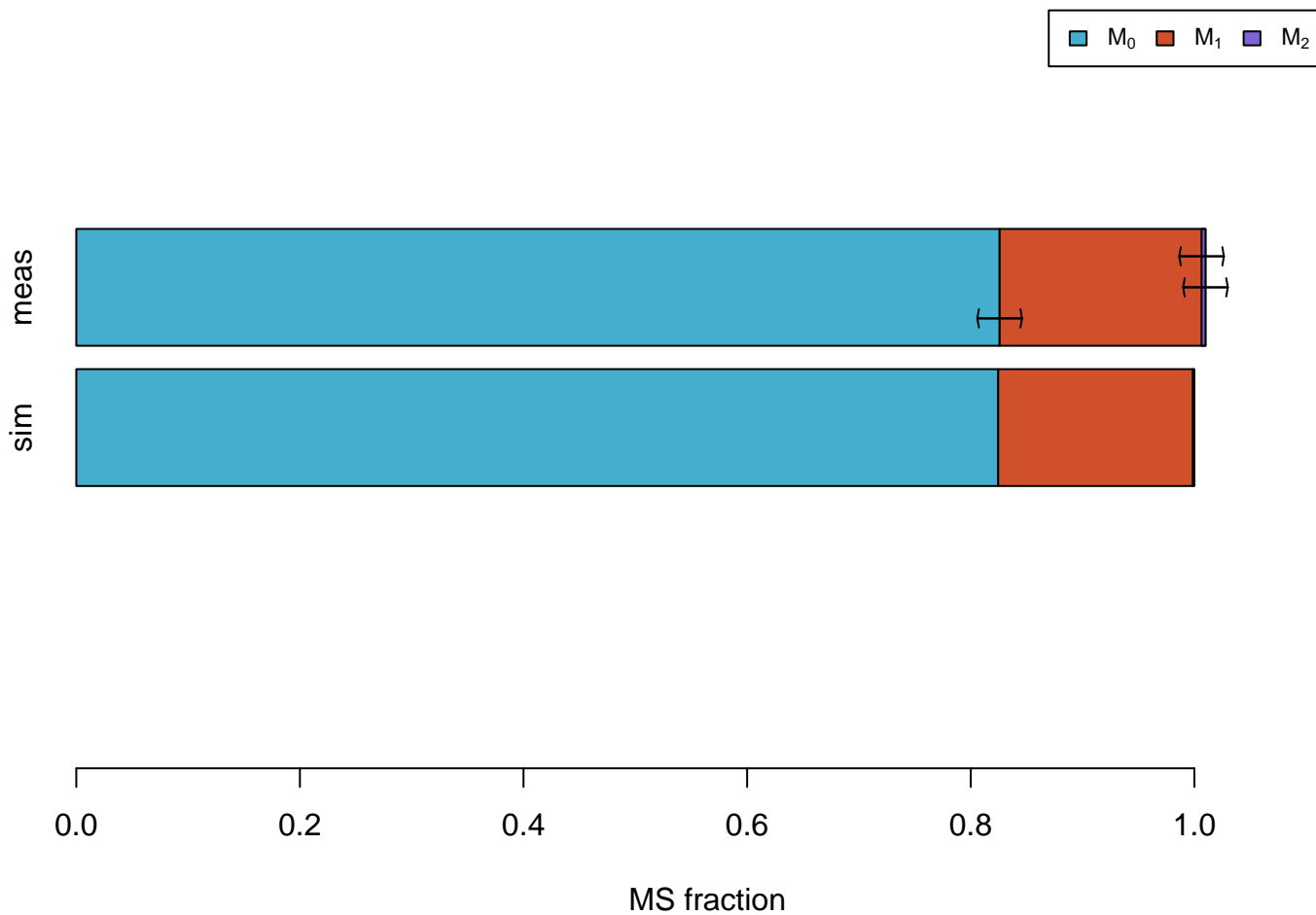
MS fraction



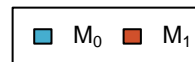
Glu #01111



Gly

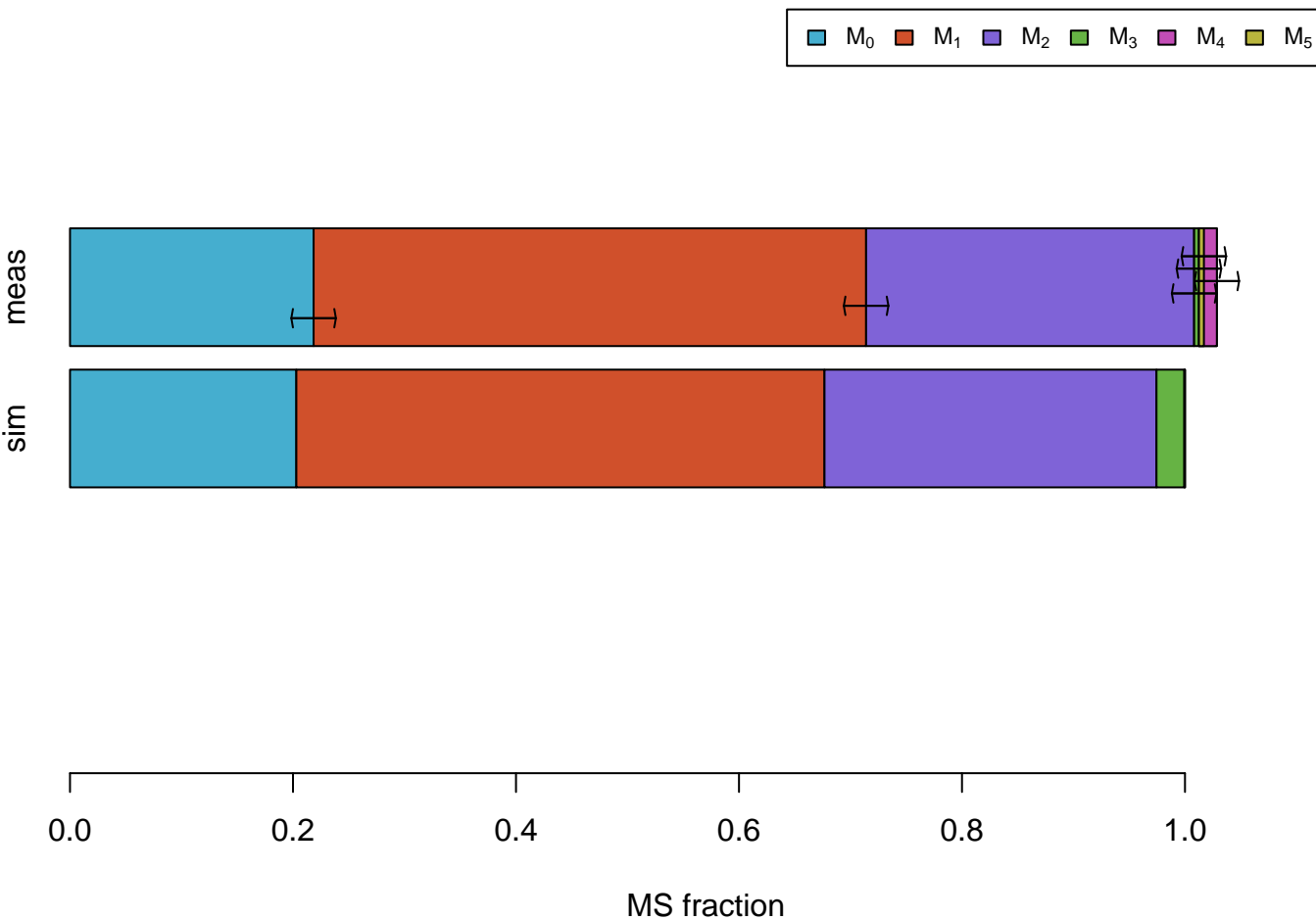


Gly #01

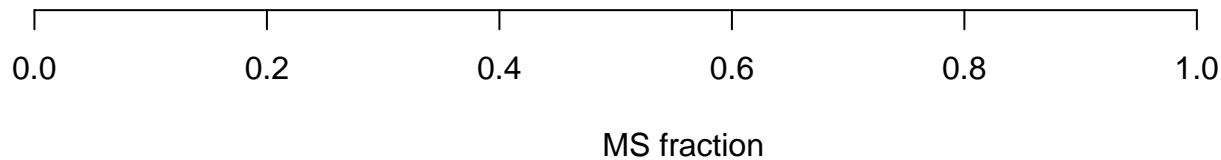
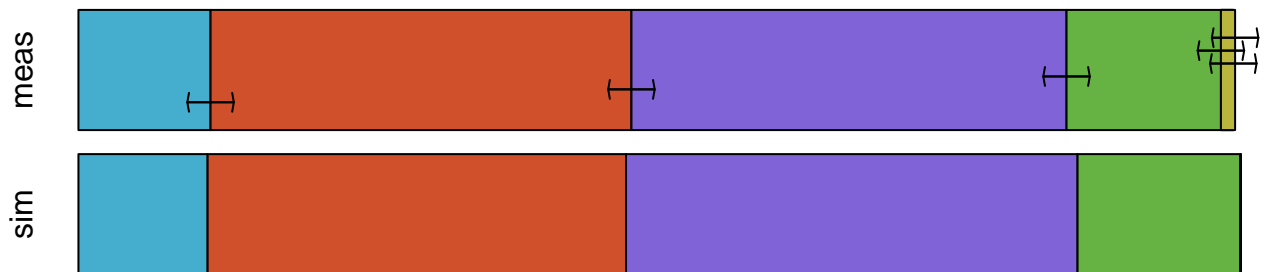
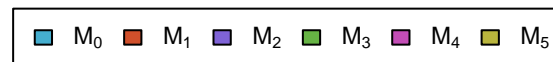


MS fraction

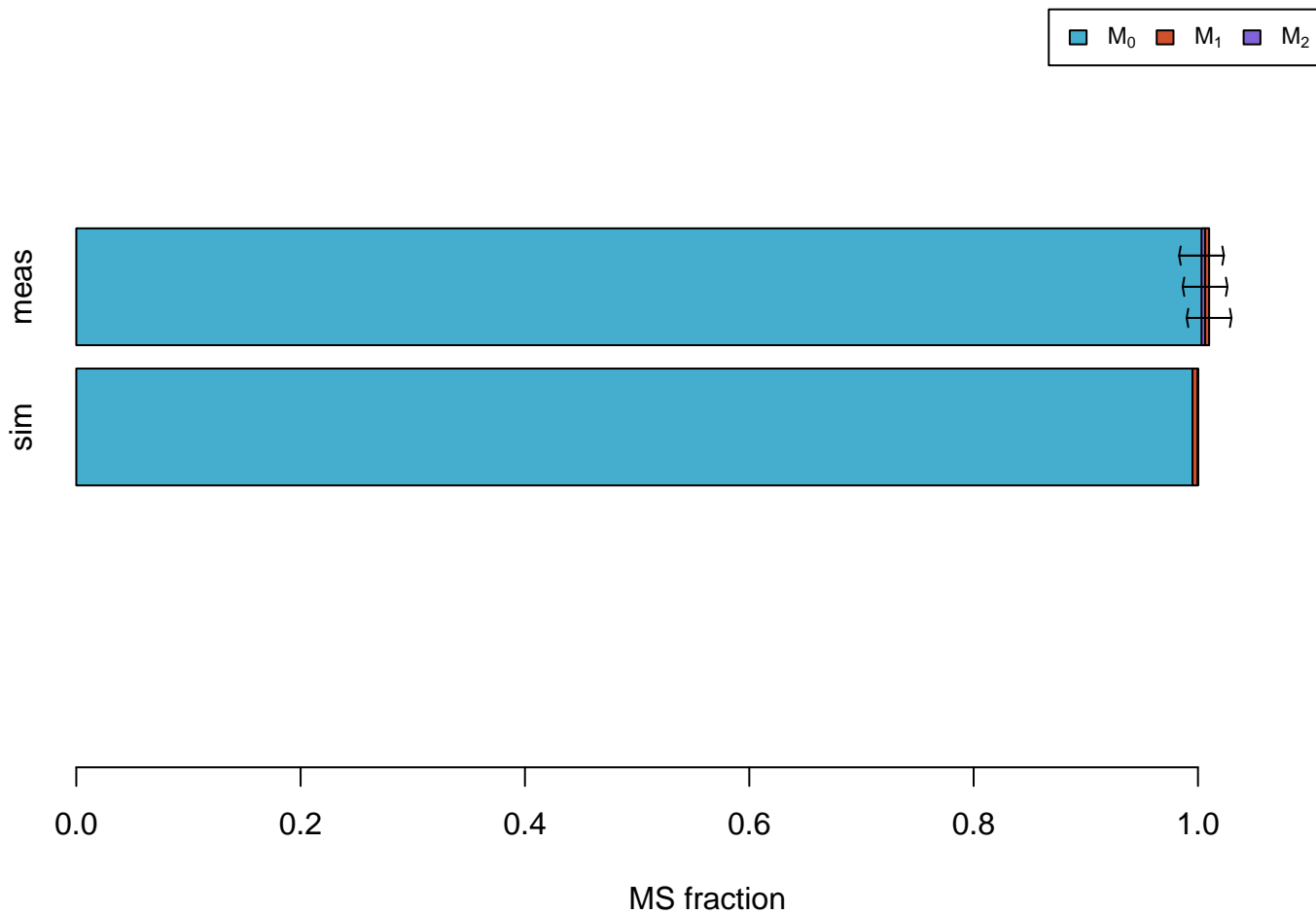
Ile #011111



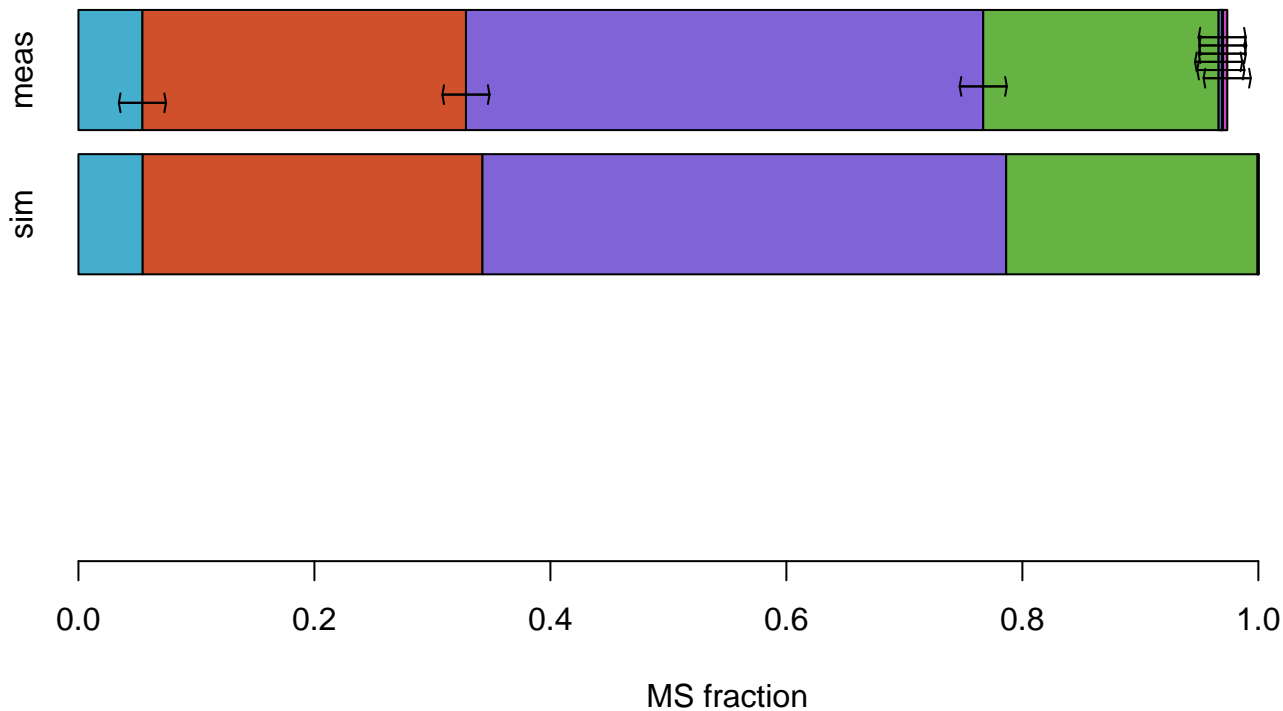
Leu #011111



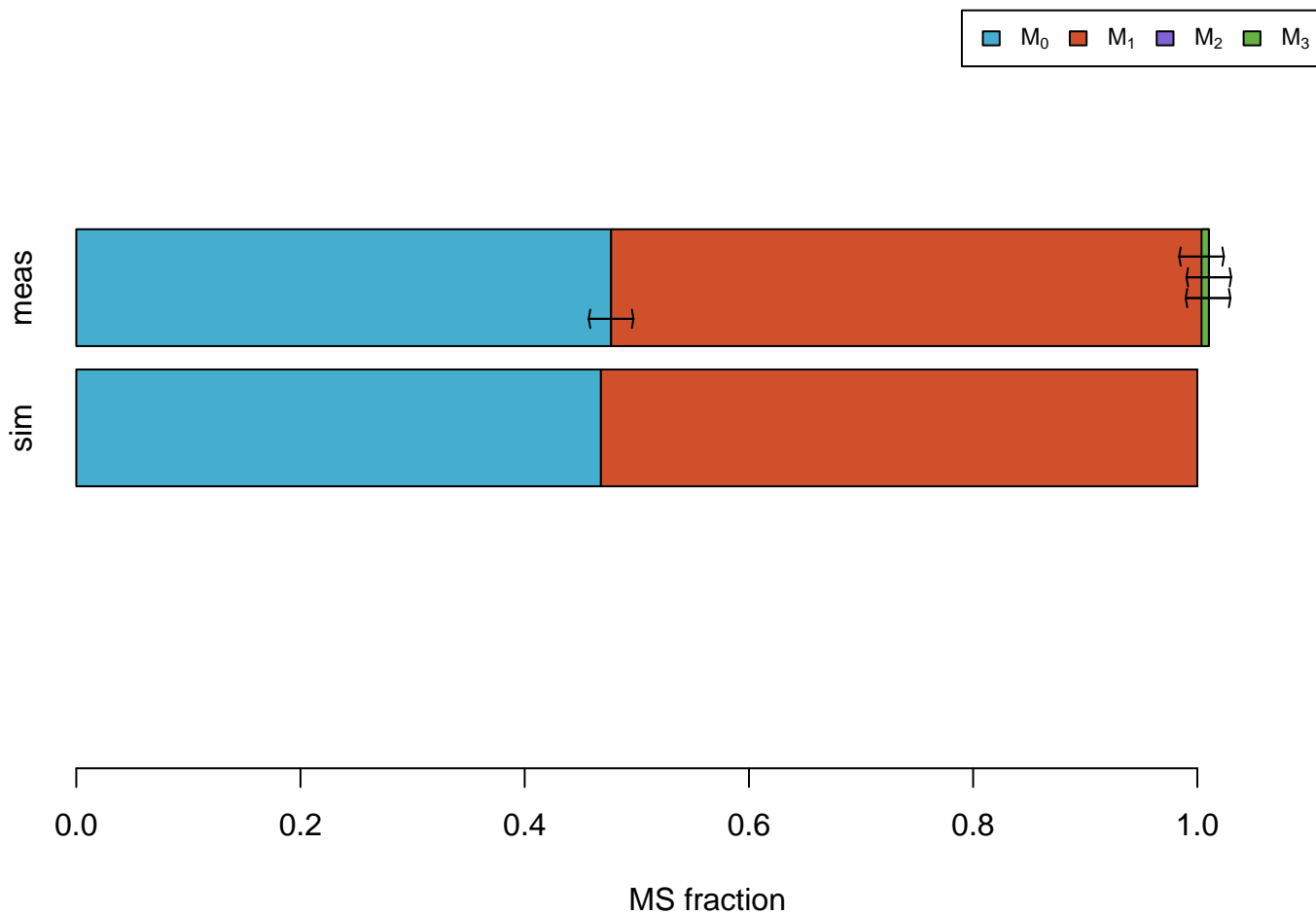
Phe #110000000



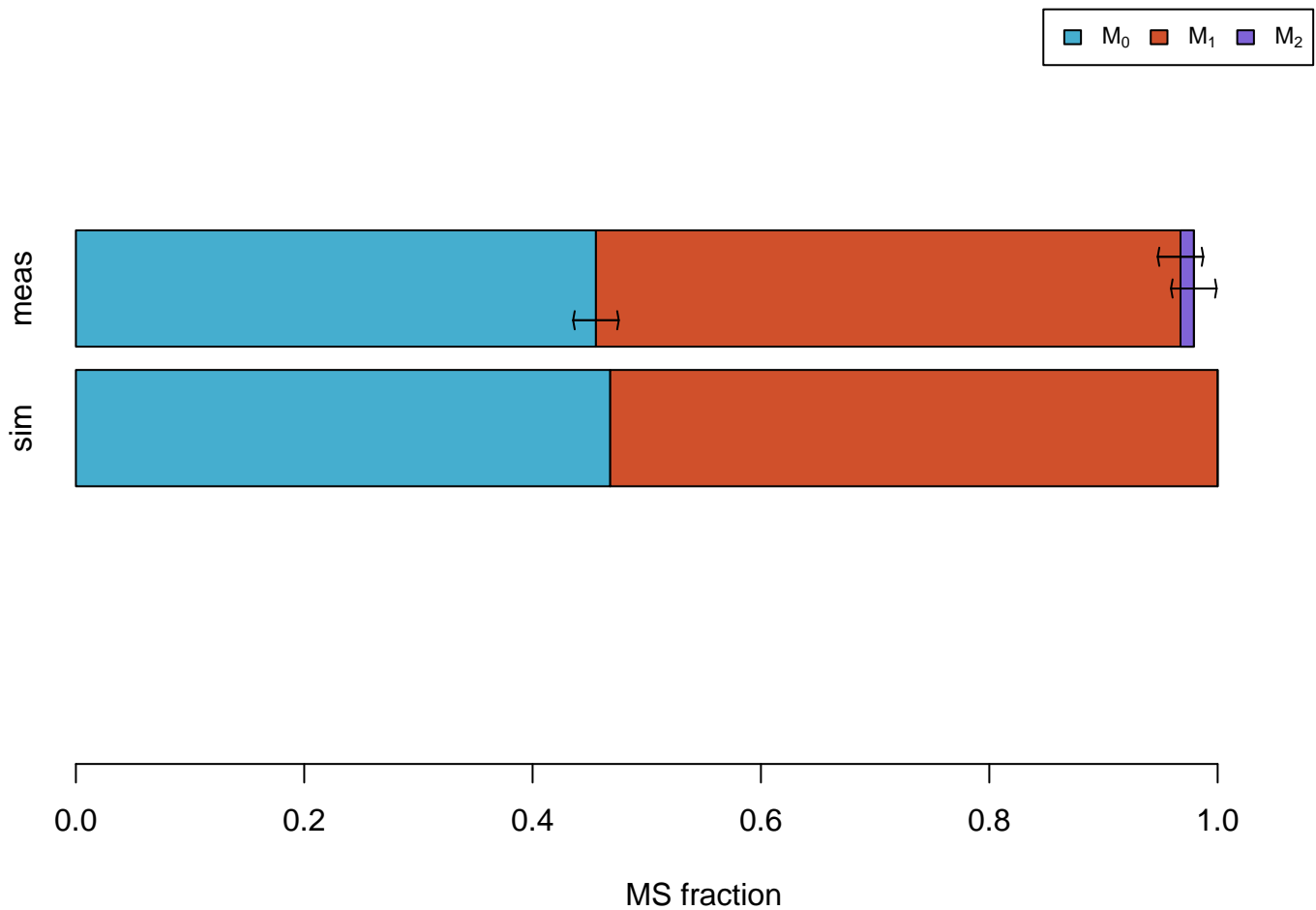
Phe #011111111



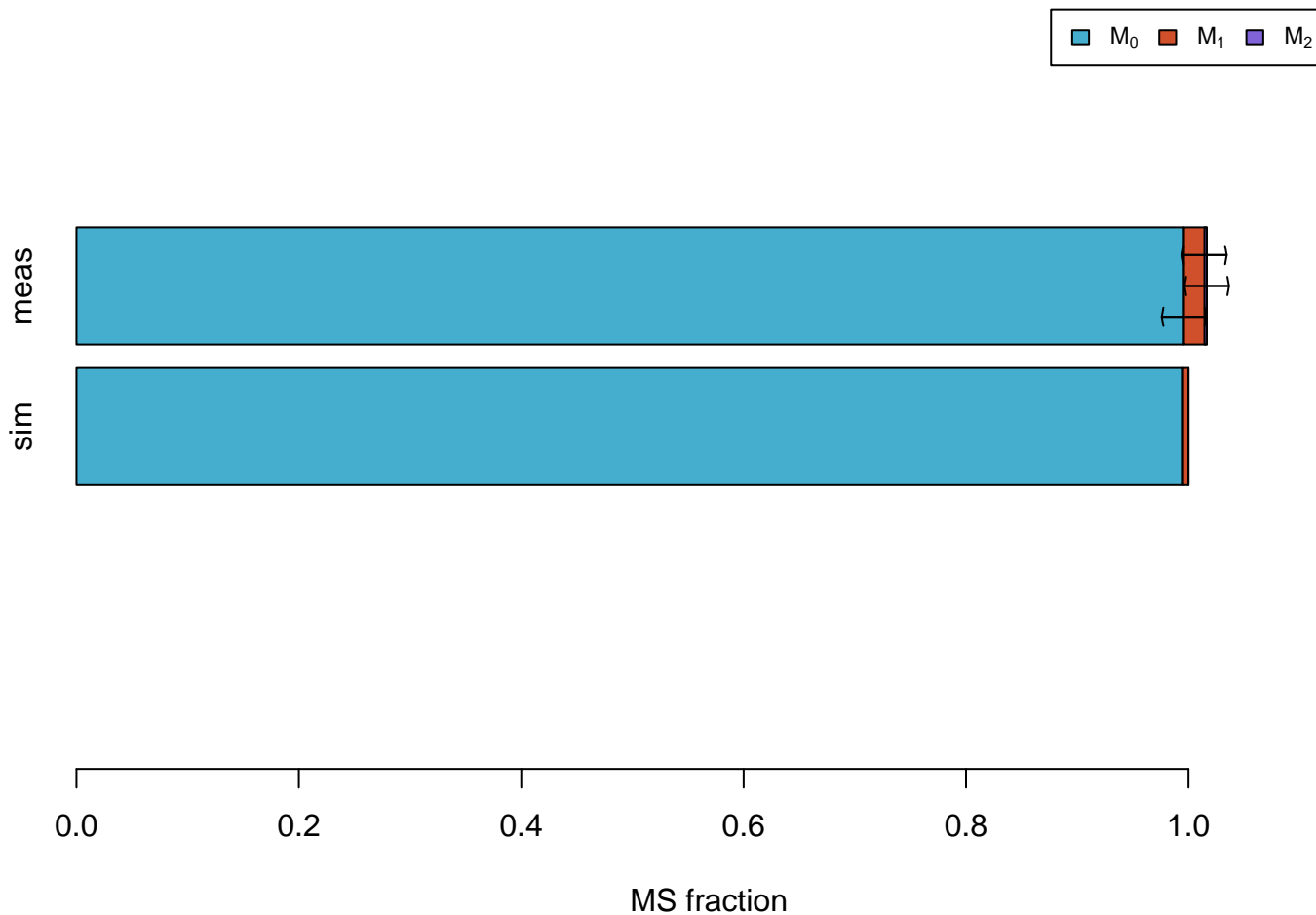
Ser



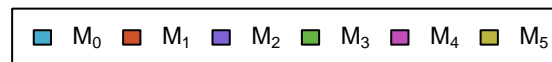
Ser #011



Tyr #110000000



Val



meas

sim



MS fraction

Val #01111



MS fraction

MS simulations

3PG



MS fraction

Ac



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

AcCoA



sim



0.0

0.2

0.4

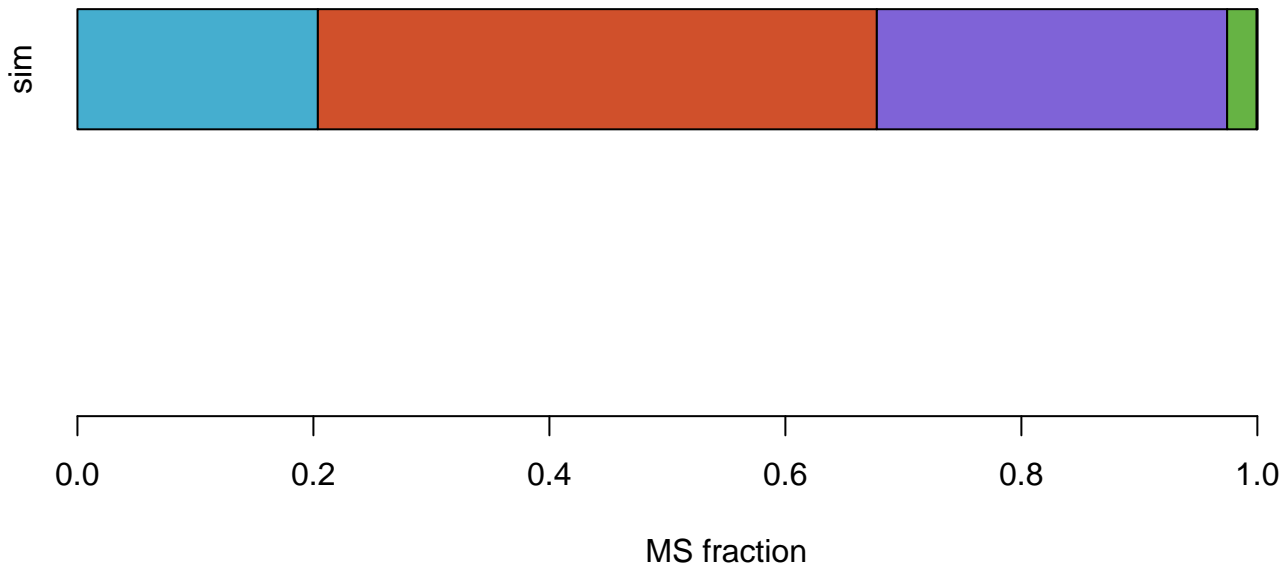
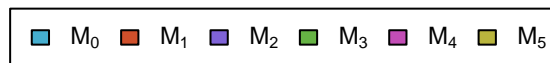
0.6

0.8

1.0

MS fraction

AKG

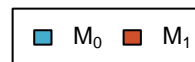


Asn



MS fraction

CO2



sim



0.0

0.2

0.4

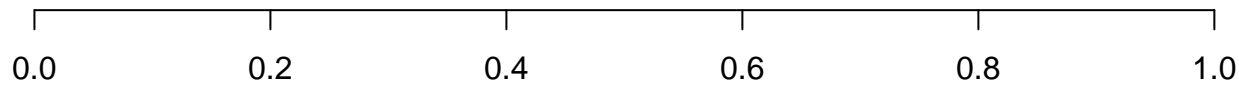
0.6

0.8

1.0

MS fraction

Cys



MS fraction

DHAP



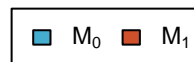
MS fraction

E4P

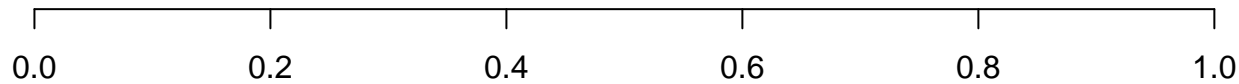


MS fraction

FTHF

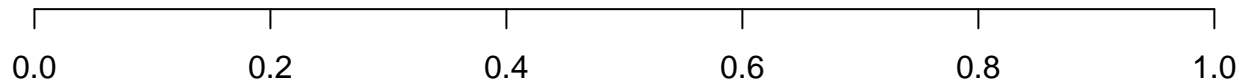


sim



MS fraction

Fum



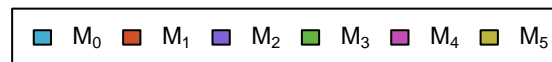
MS fraction

GAP



MS fraction

Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Glyox



sim



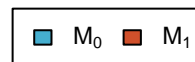
MS fraction

Mal



MS fraction

MEETHF



sim



0.0

0.2

0.4

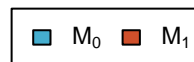
0.6

0.8

1.0

MS fraction

METHF



sim



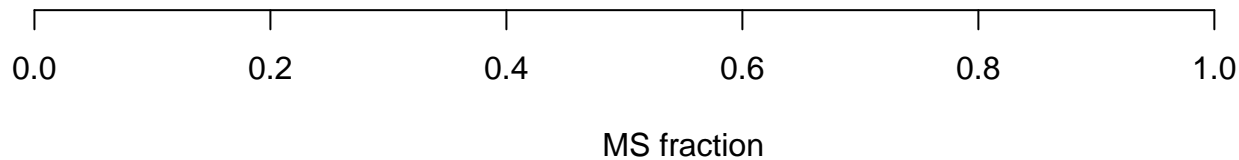
MS fraction

OAC

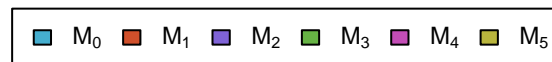


MS fraction

PEP



Pro



sim



MS fraction

Pyr



MS fraction

Suc



MS fraction

SucCoA



sim



MS fraction

TA-C3



sim



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction