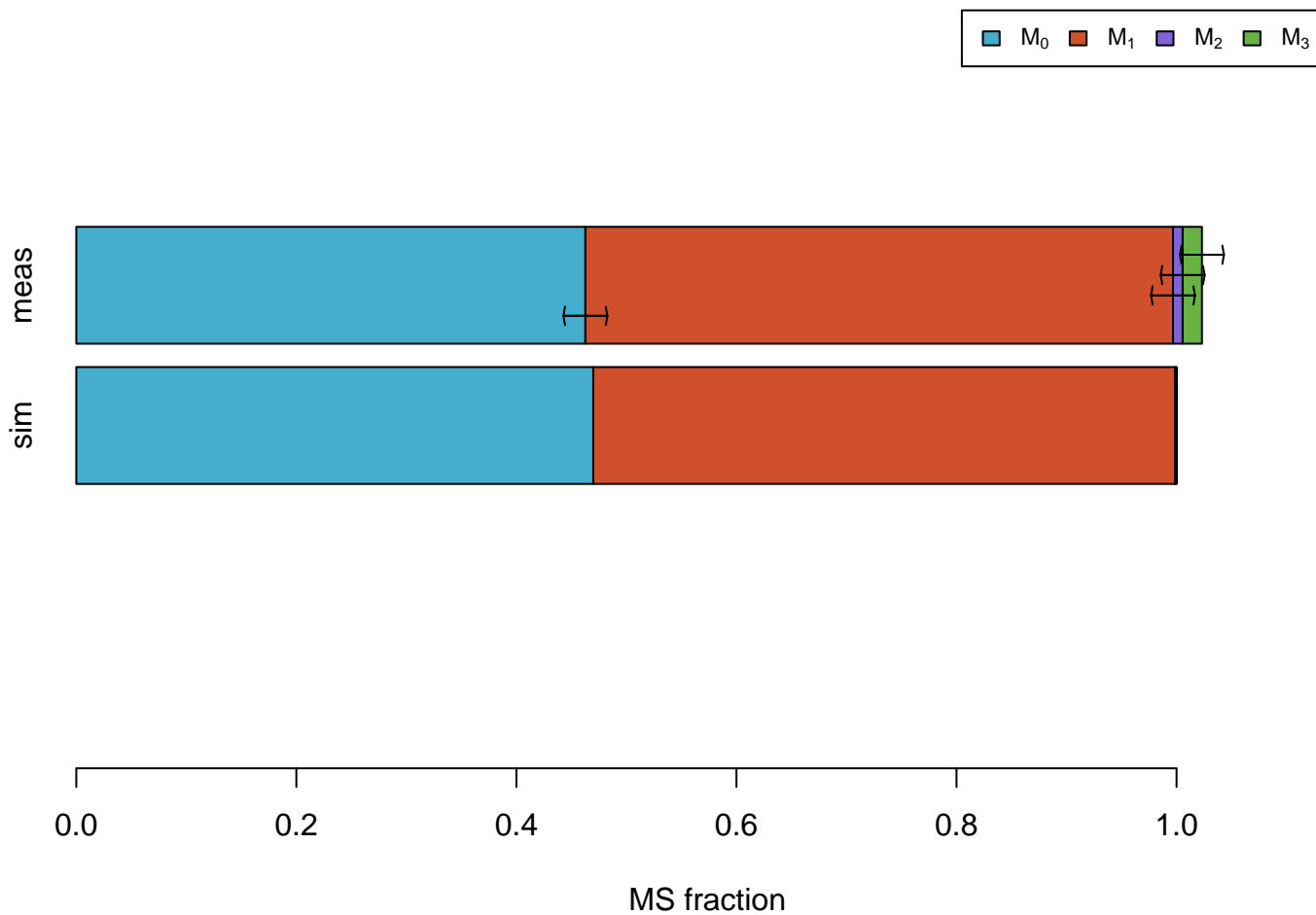
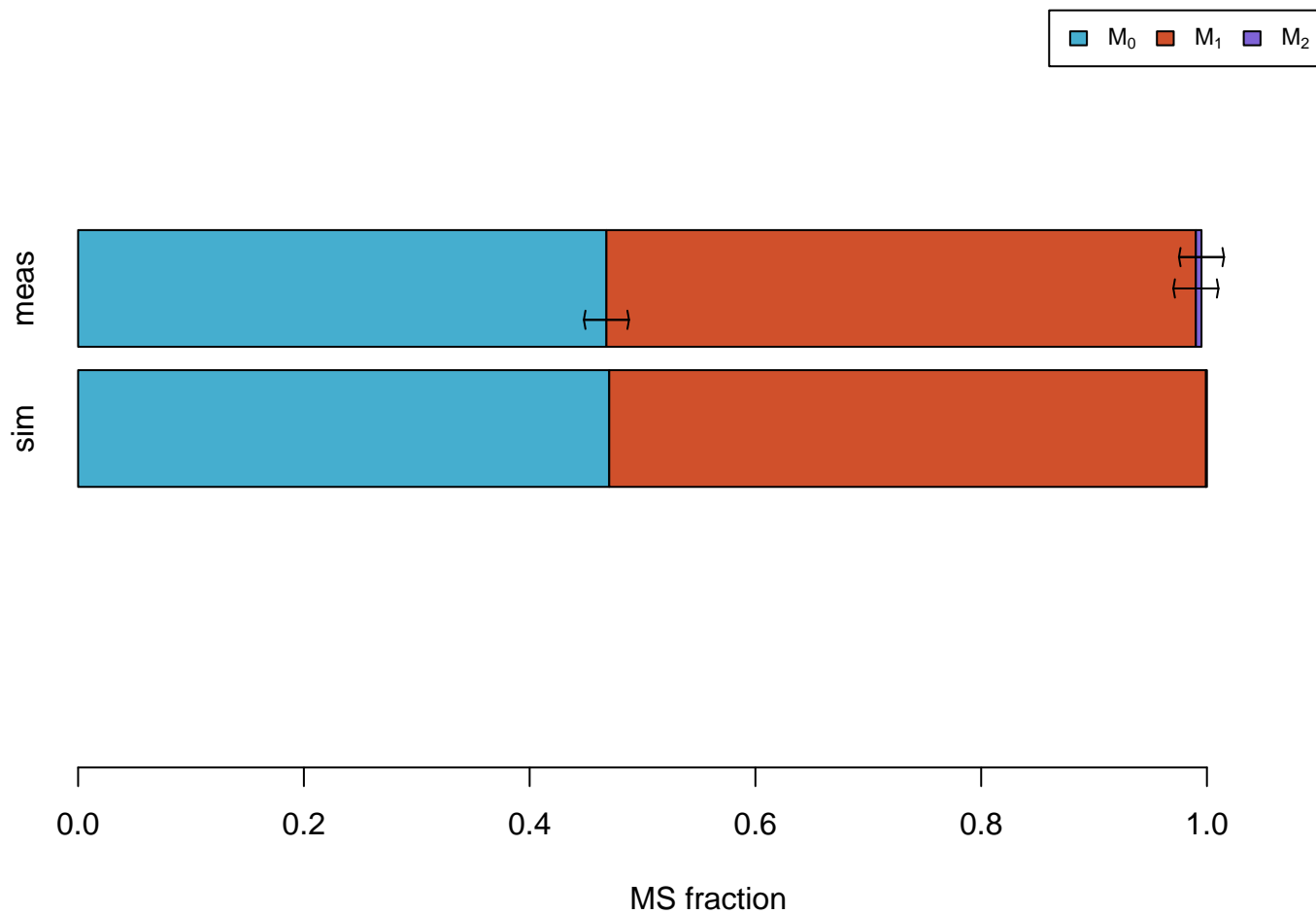


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

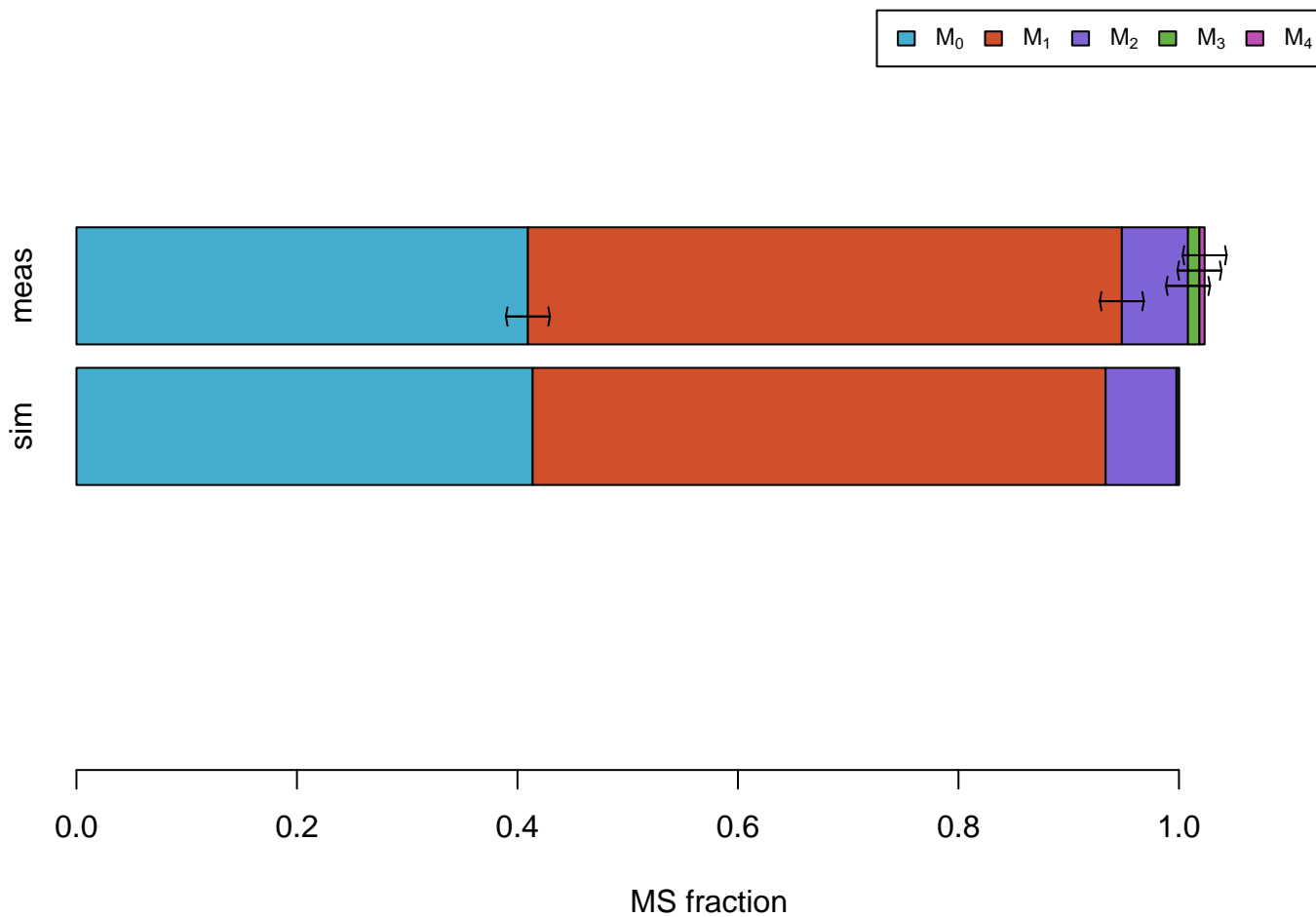
Ala



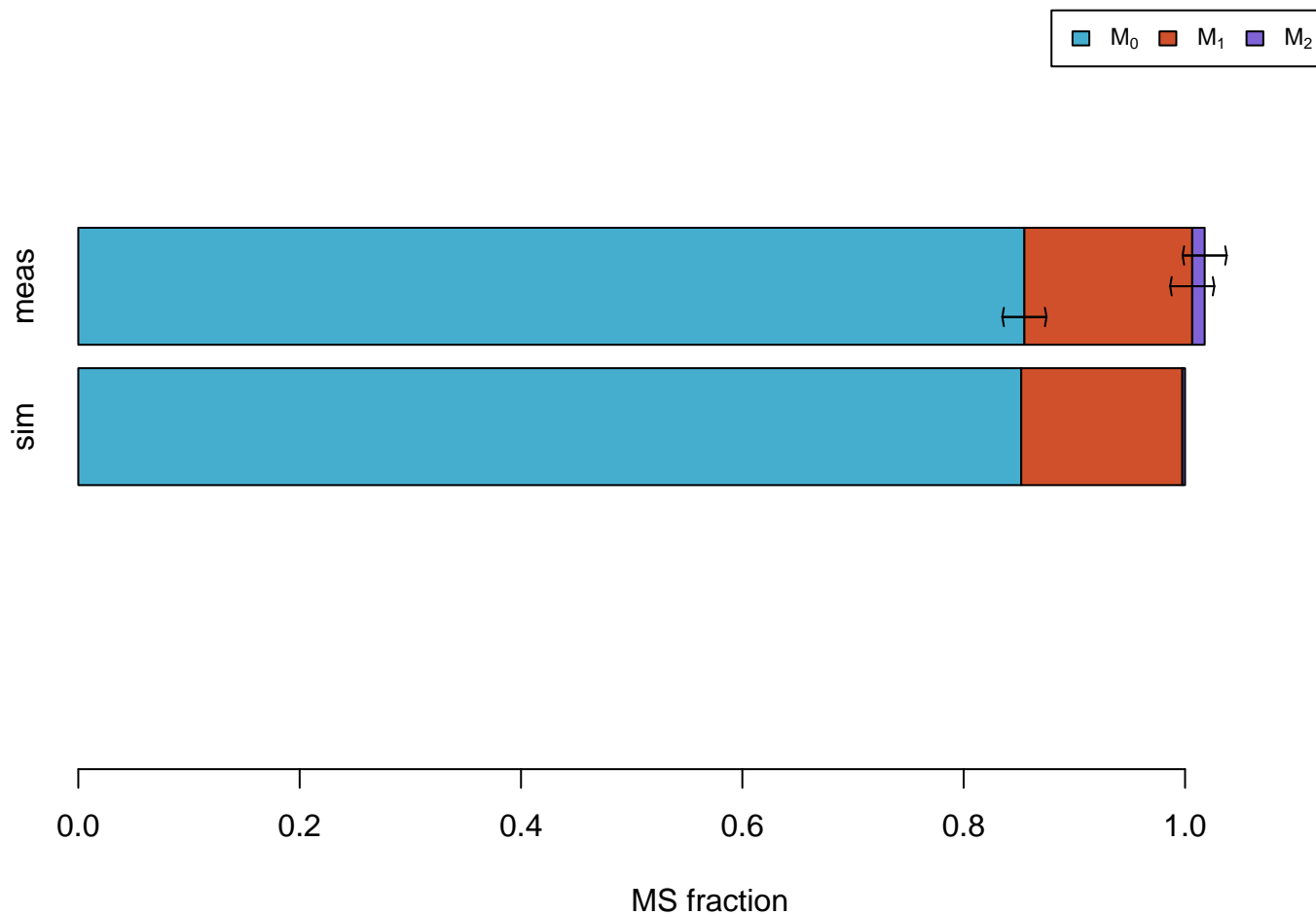
Ala #011



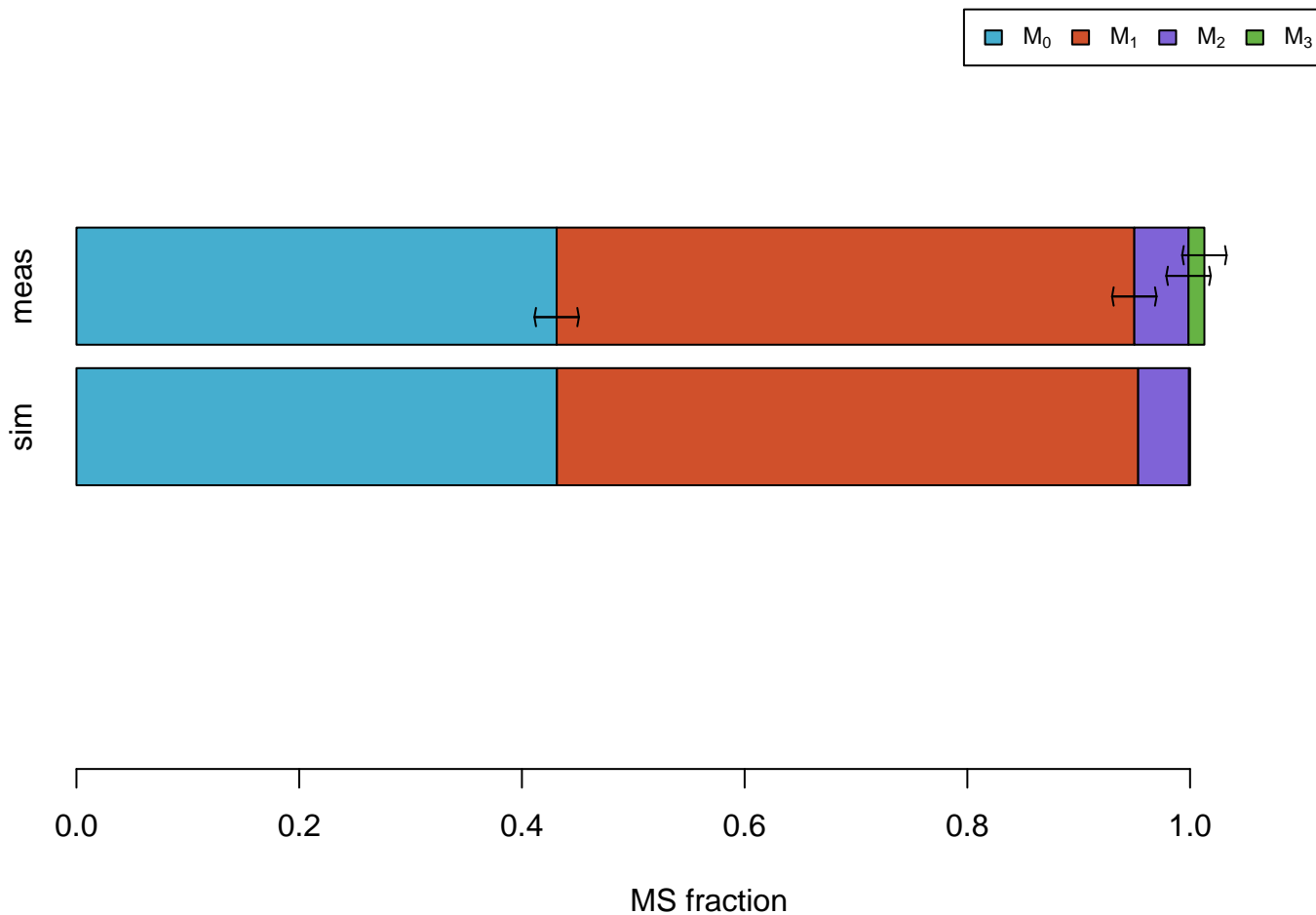
Asp



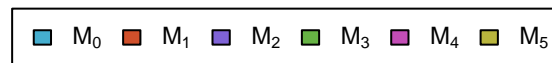
Asp #1100



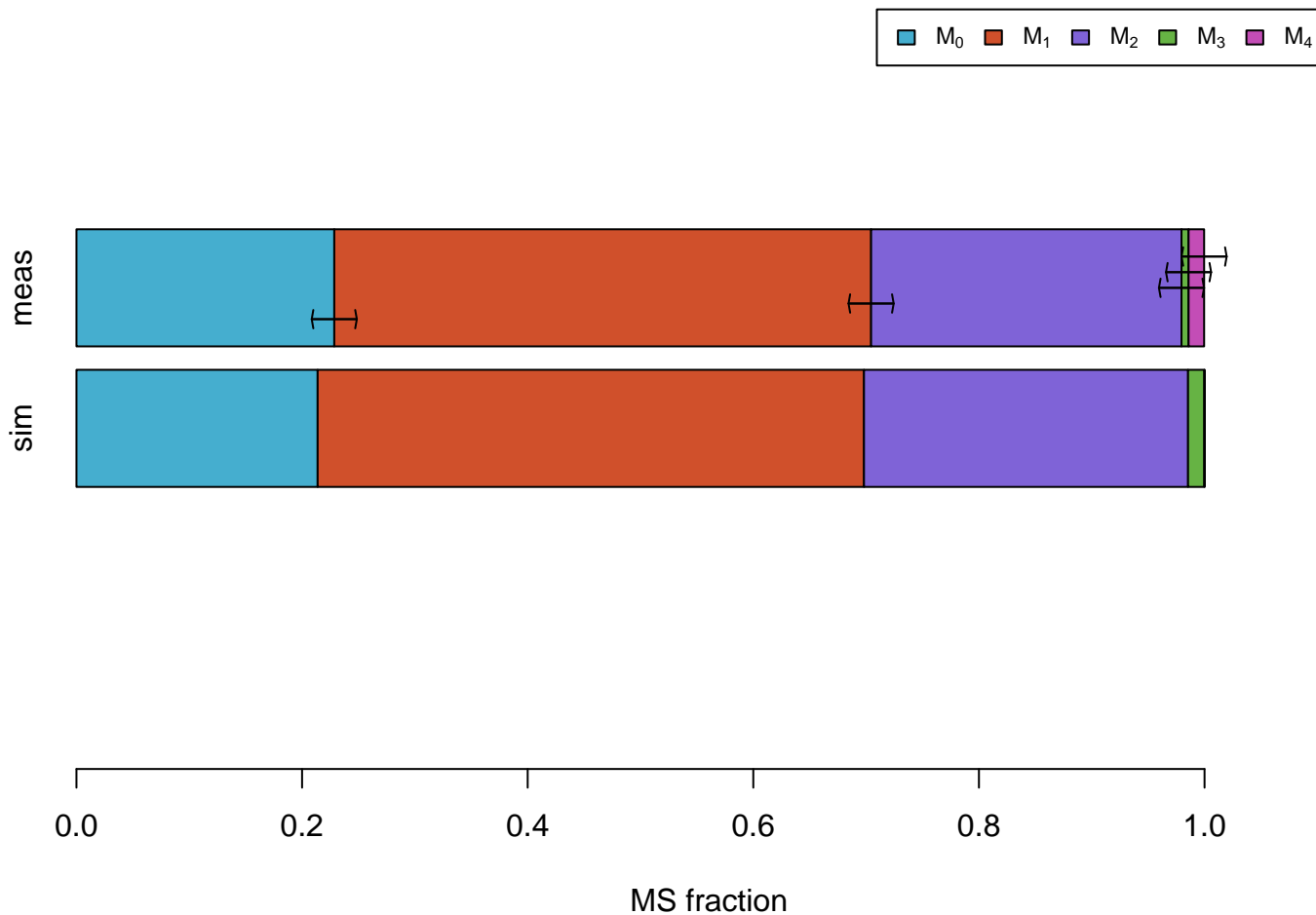
Asp #0111



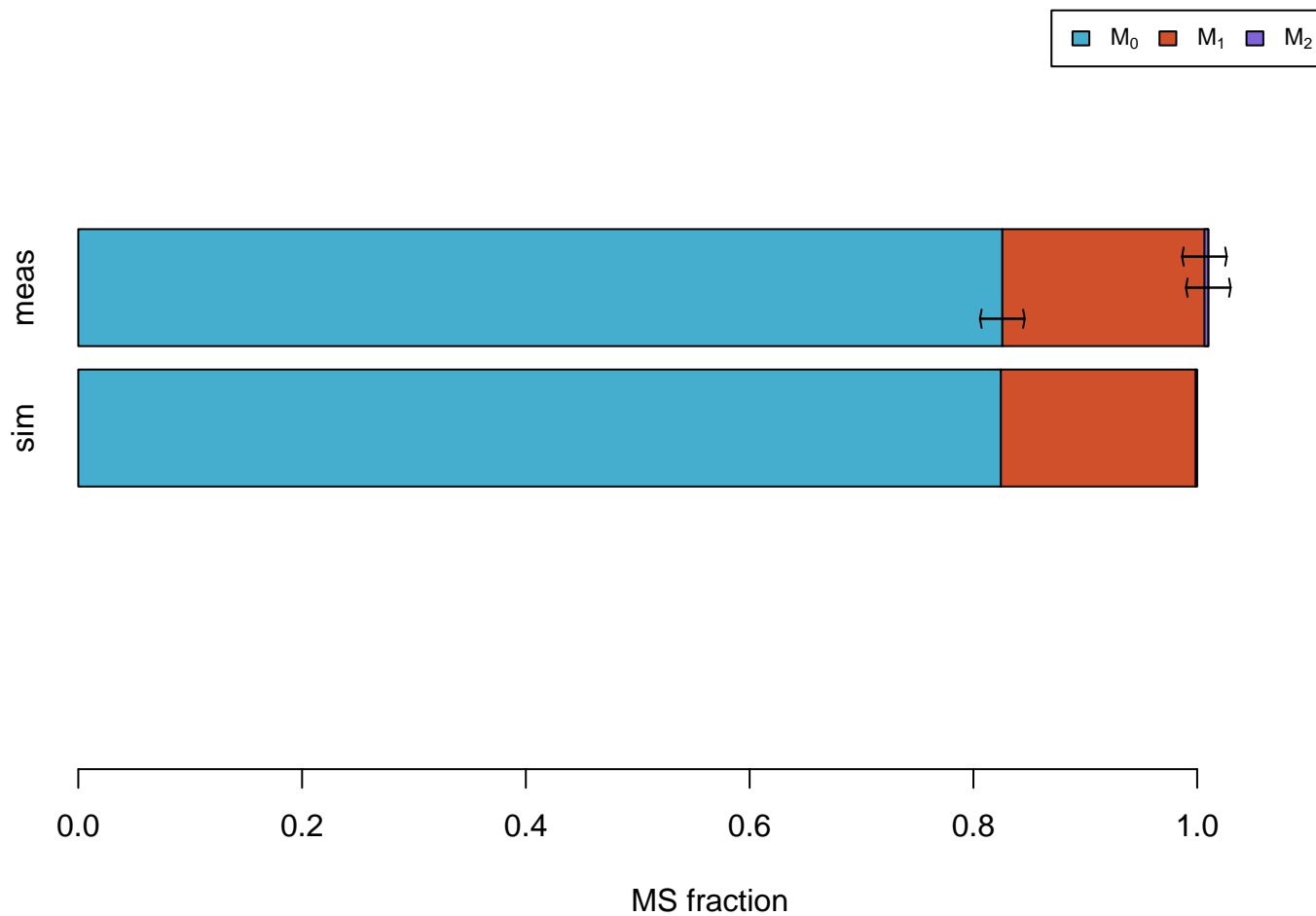
Glu



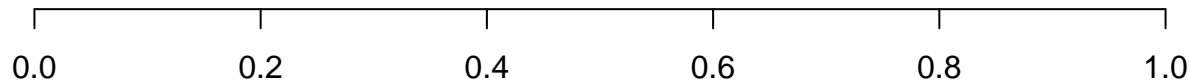
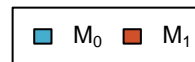
Glu #01111



Gly

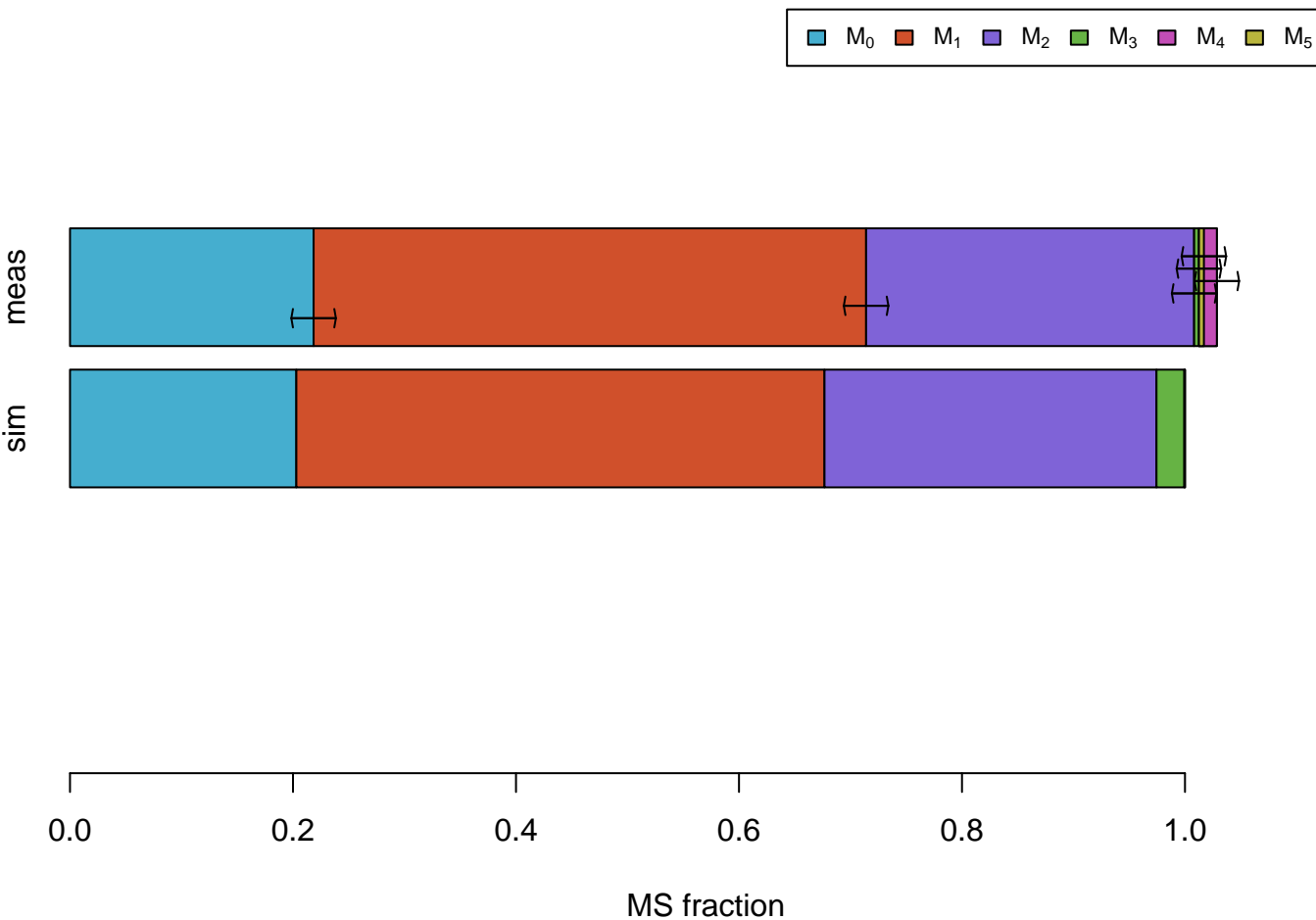


Gly #01

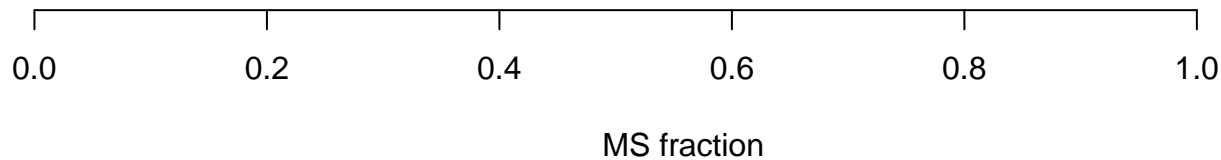
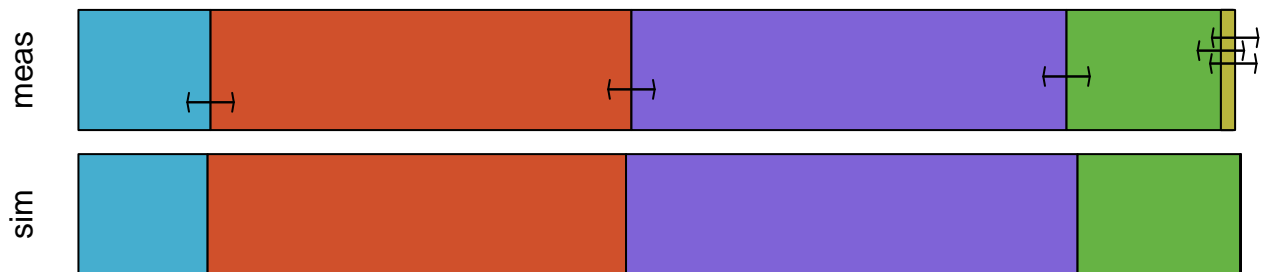
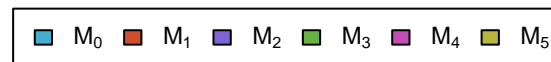


MS fraction

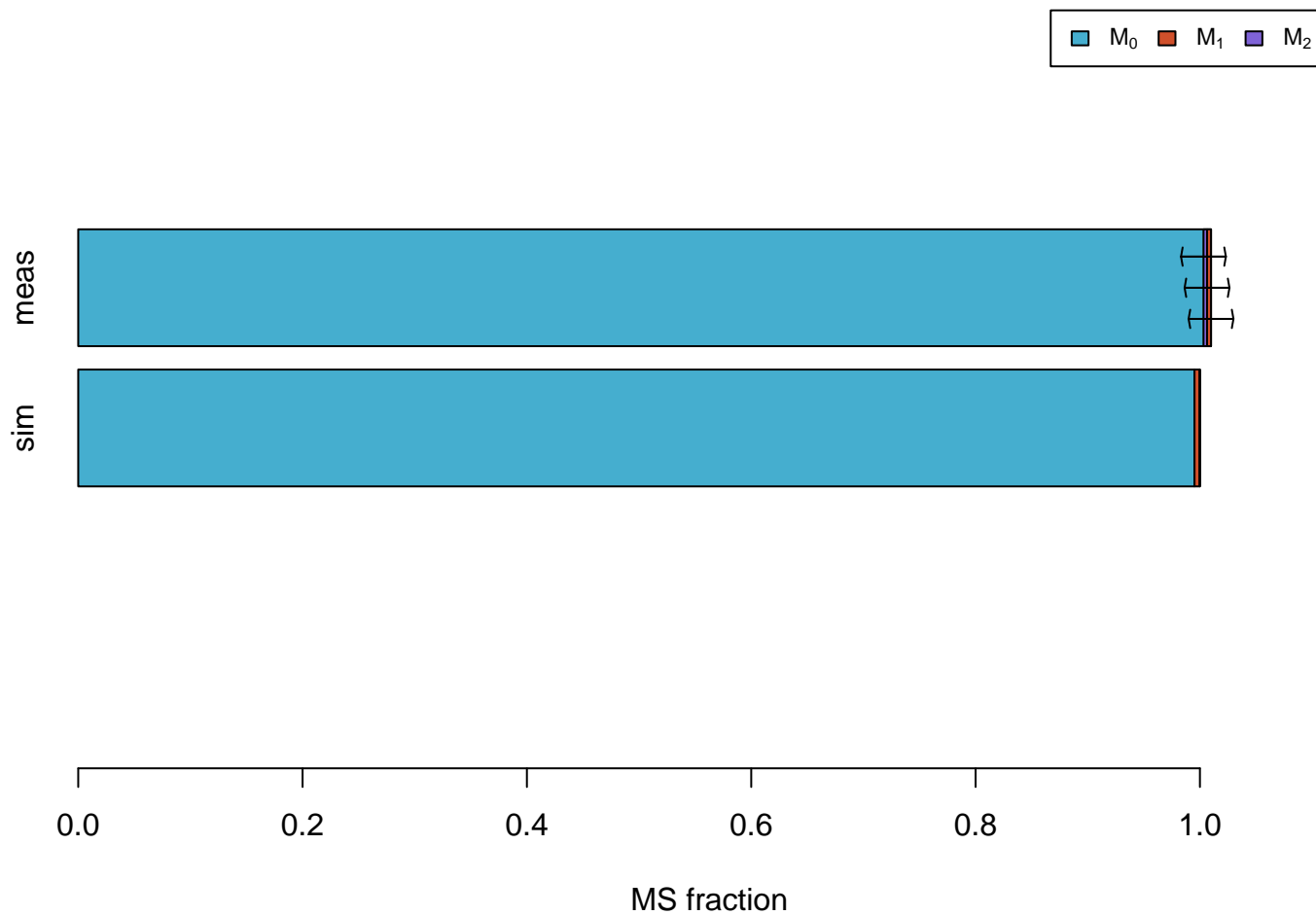
Ile #011111



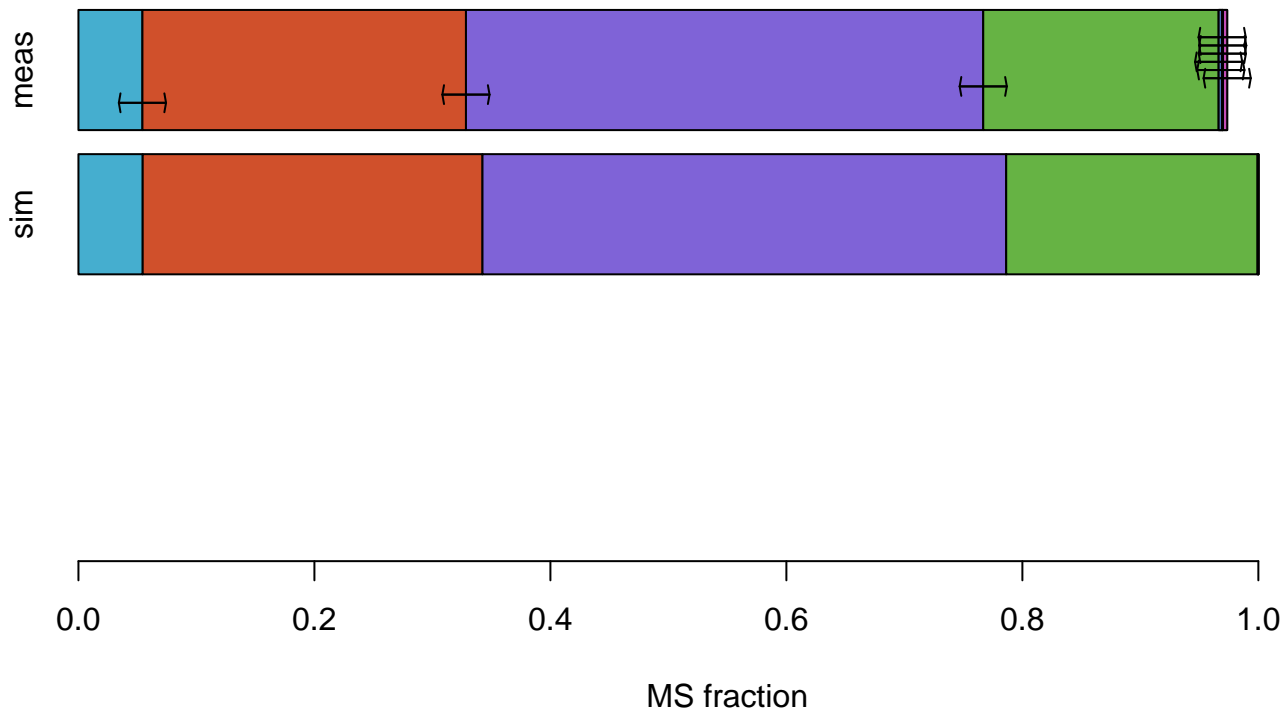
Leu #011111



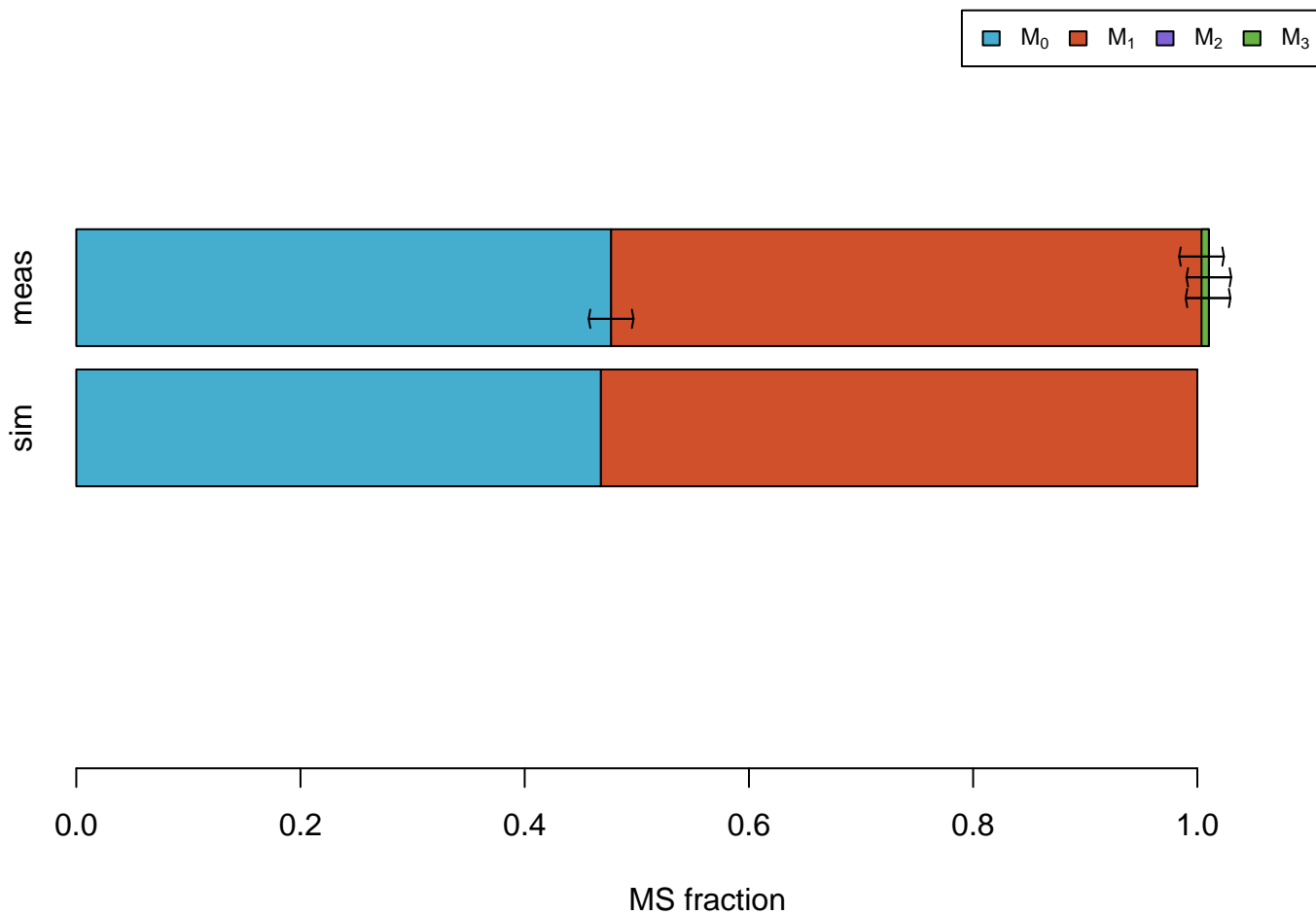
Phe #110000000



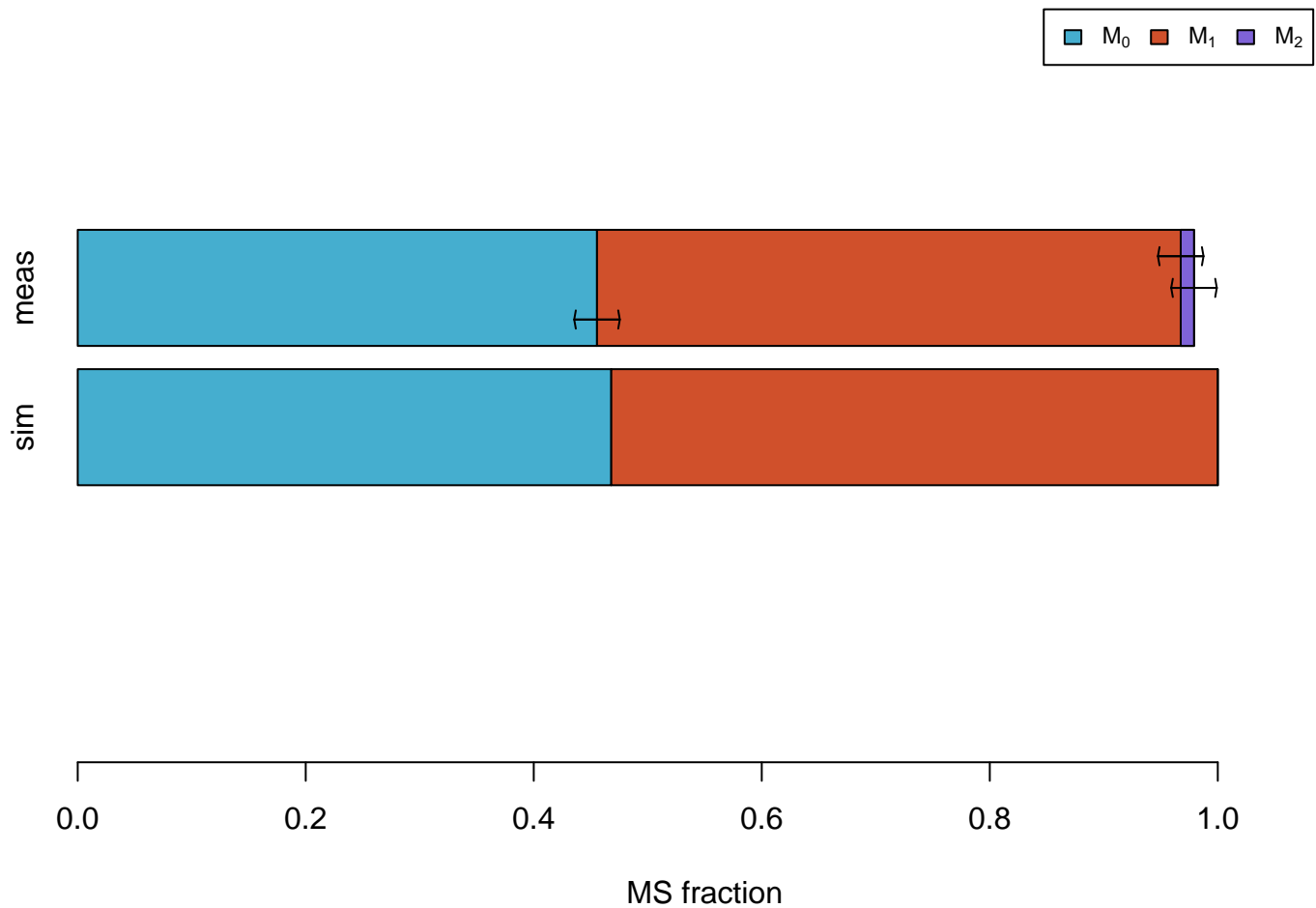
Phe #011111111



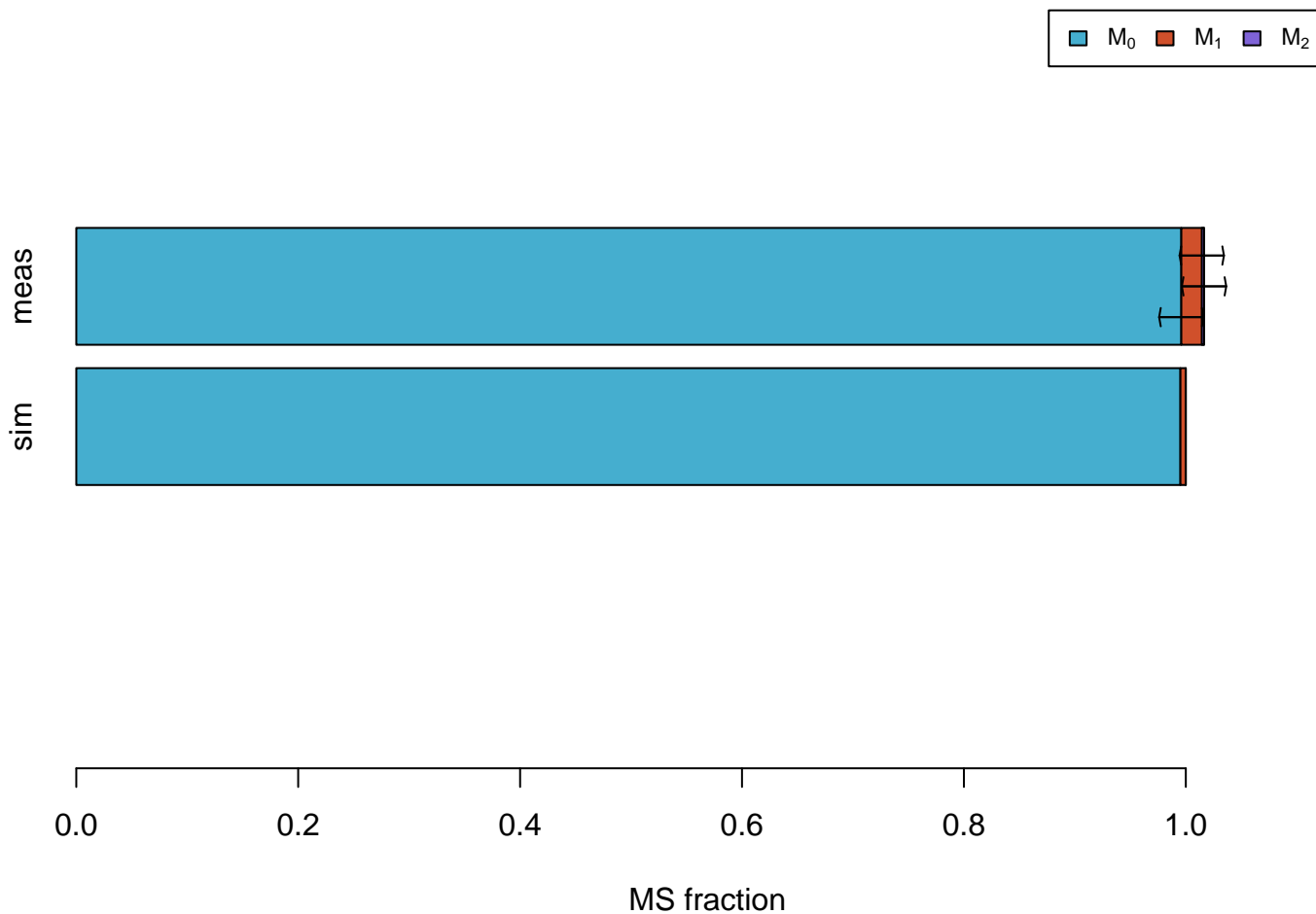
Ser



Ser #011



Tyr #110000000



Val



meas

sim



MS fraction

Val #01111



MS 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

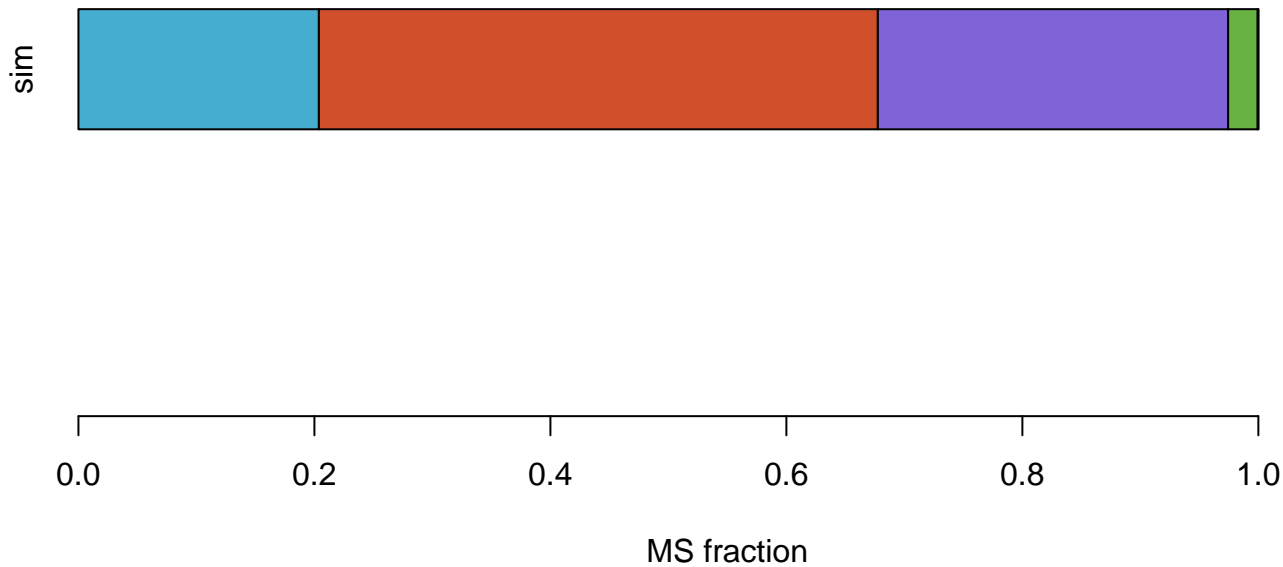
0.6

0.8

1.0

MS fraction

AKG

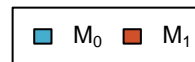


Asn



MS fraction

CO2



sim



MS fraction

Cys



MS fraction

DHAP



sim



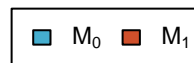
MS fraction

E4P



MS fraction

FTHF



sim



MS fraction

Fum



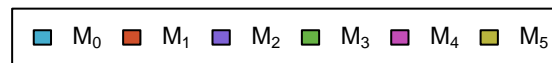
MS fraction

GAP



MS fraction

Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

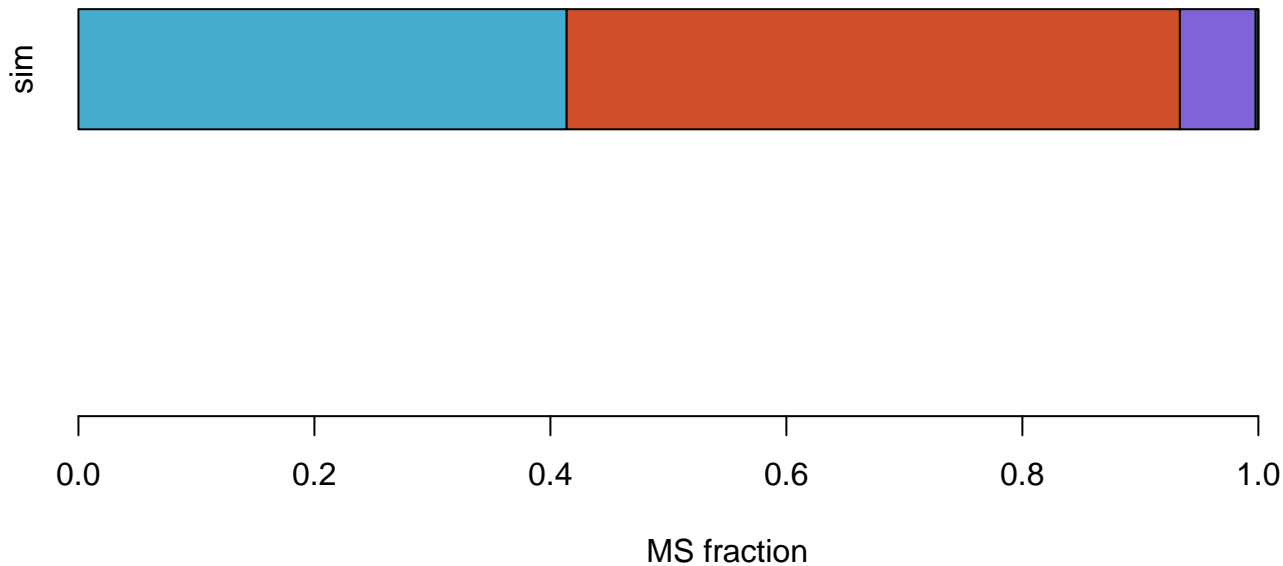
MS fraction

Glyox



MS fraction

Mal



MEETHF



sim



0.0

0.2

0.4

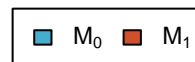
0.6

0.8

1.0

MS fraction

METHF



sim



0.0

0.2

0.4

0.6

0.8

1.0

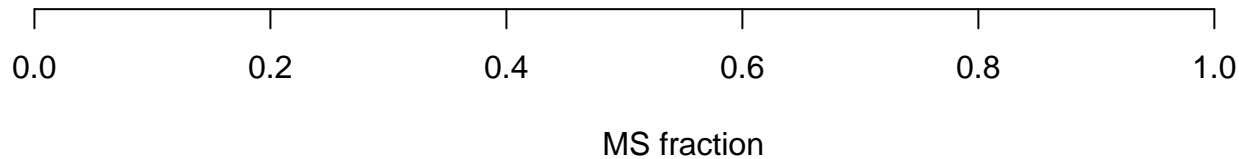
MS fraction

OAC

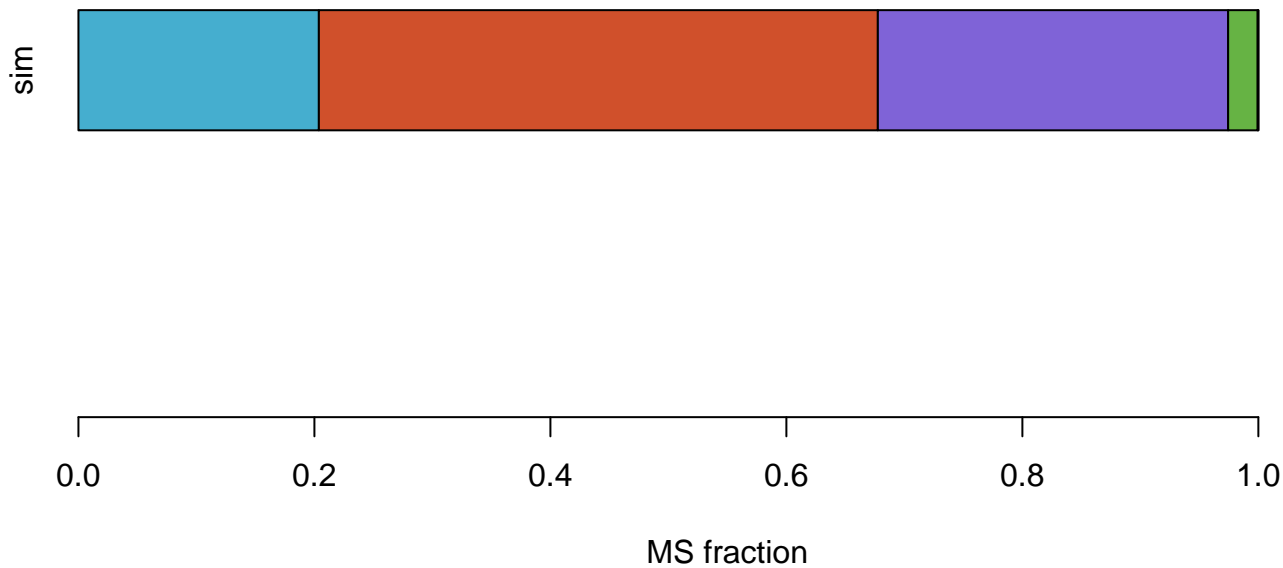


MS fraction

PEP



Pro



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