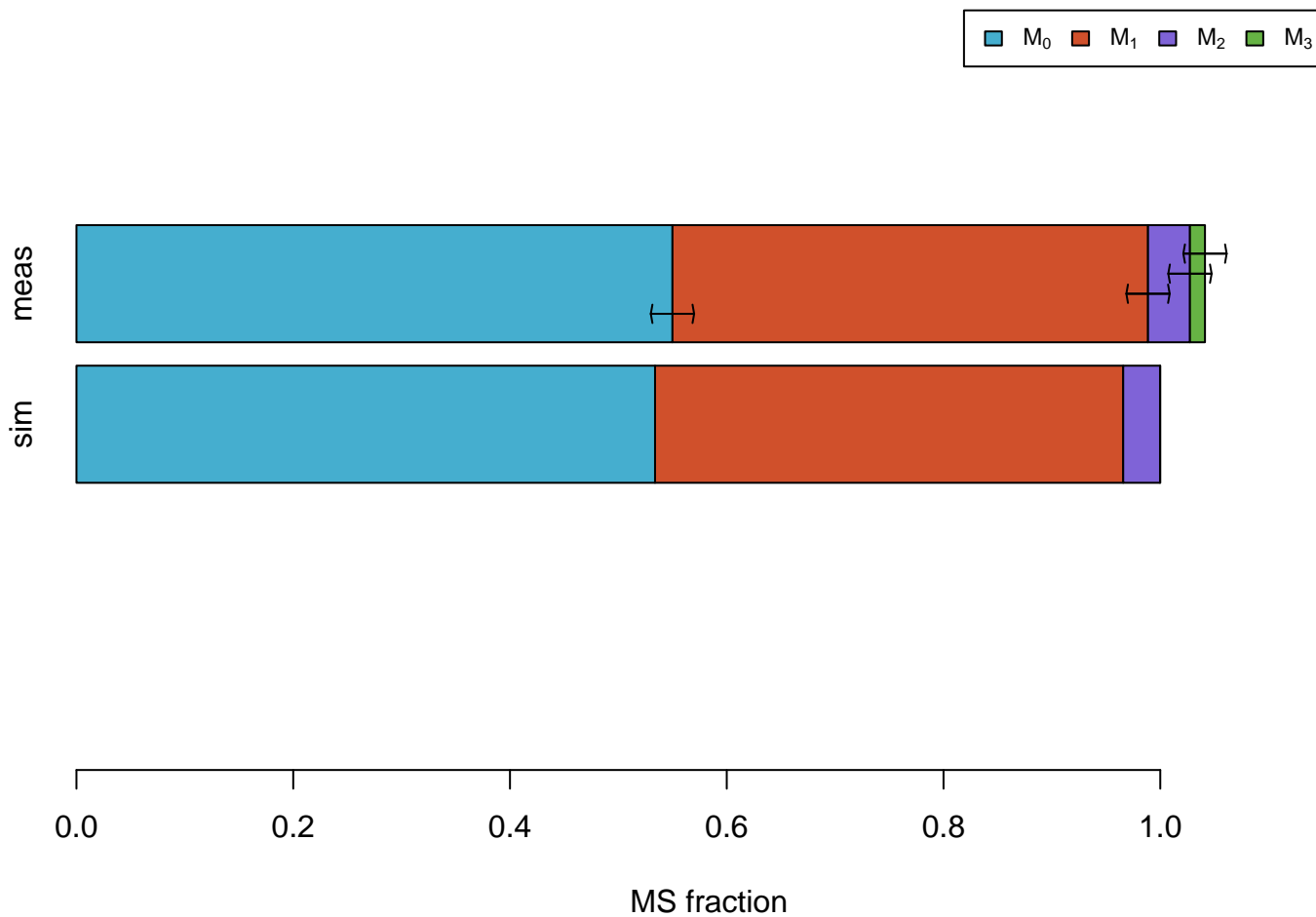
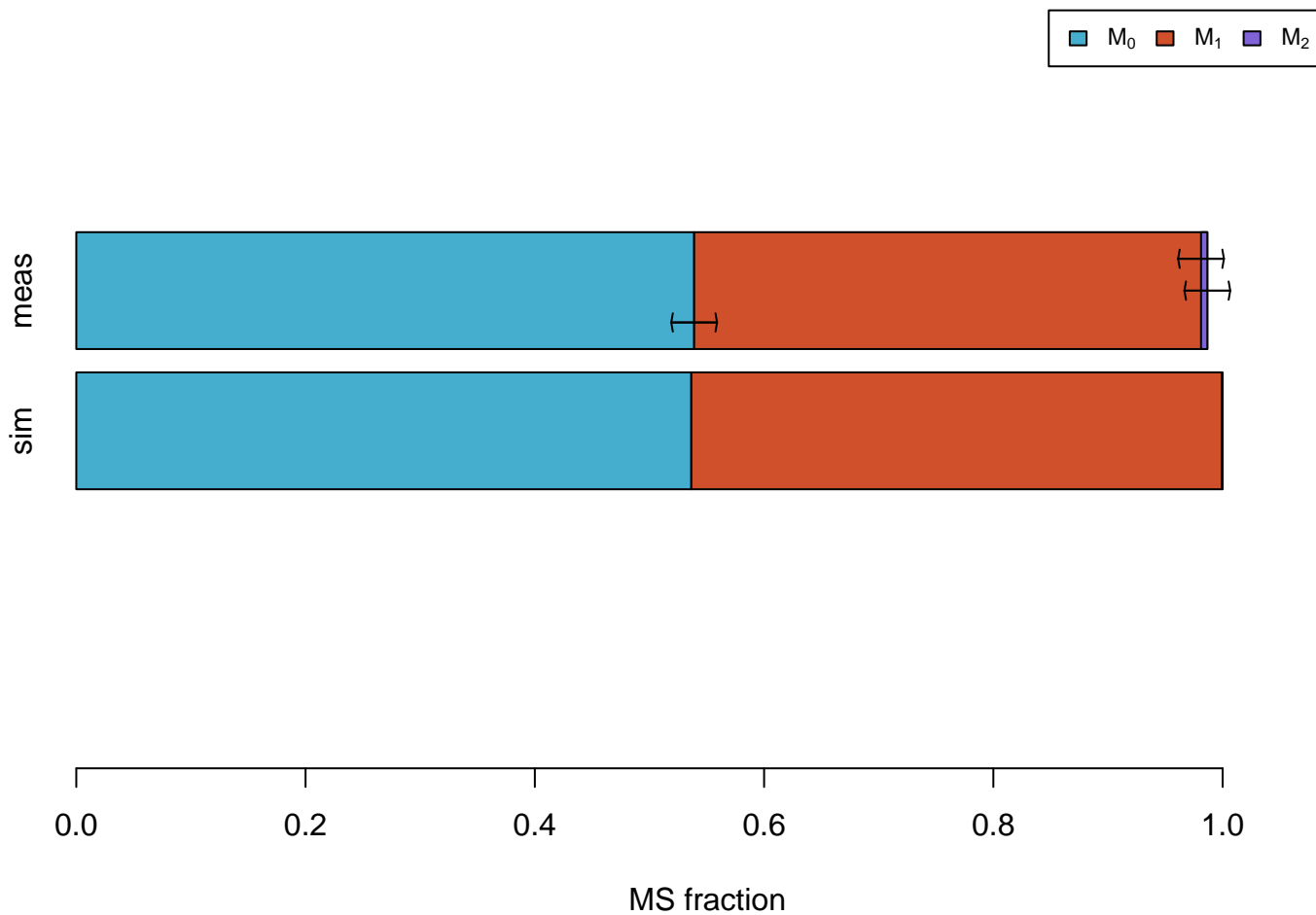


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

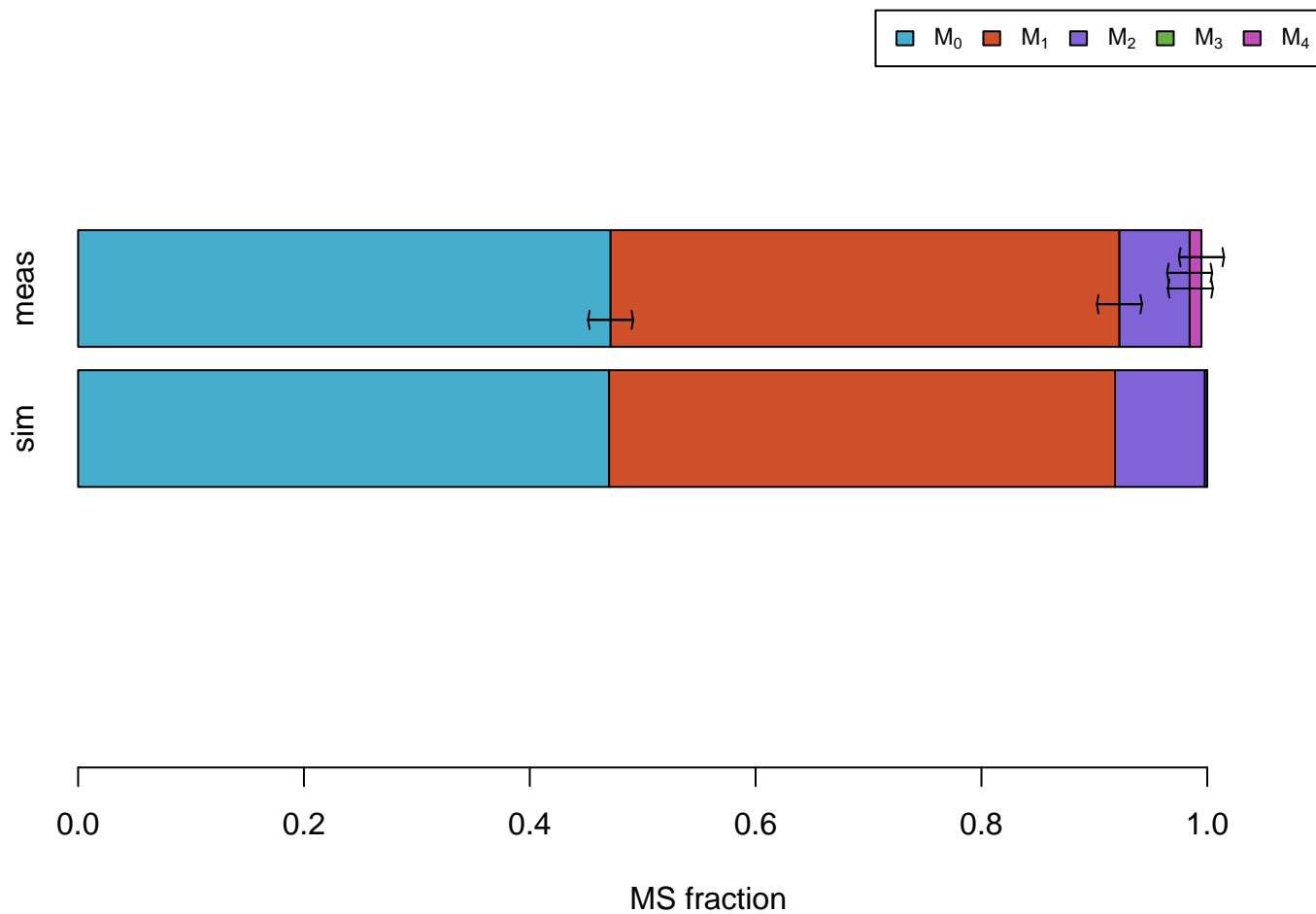
Ala



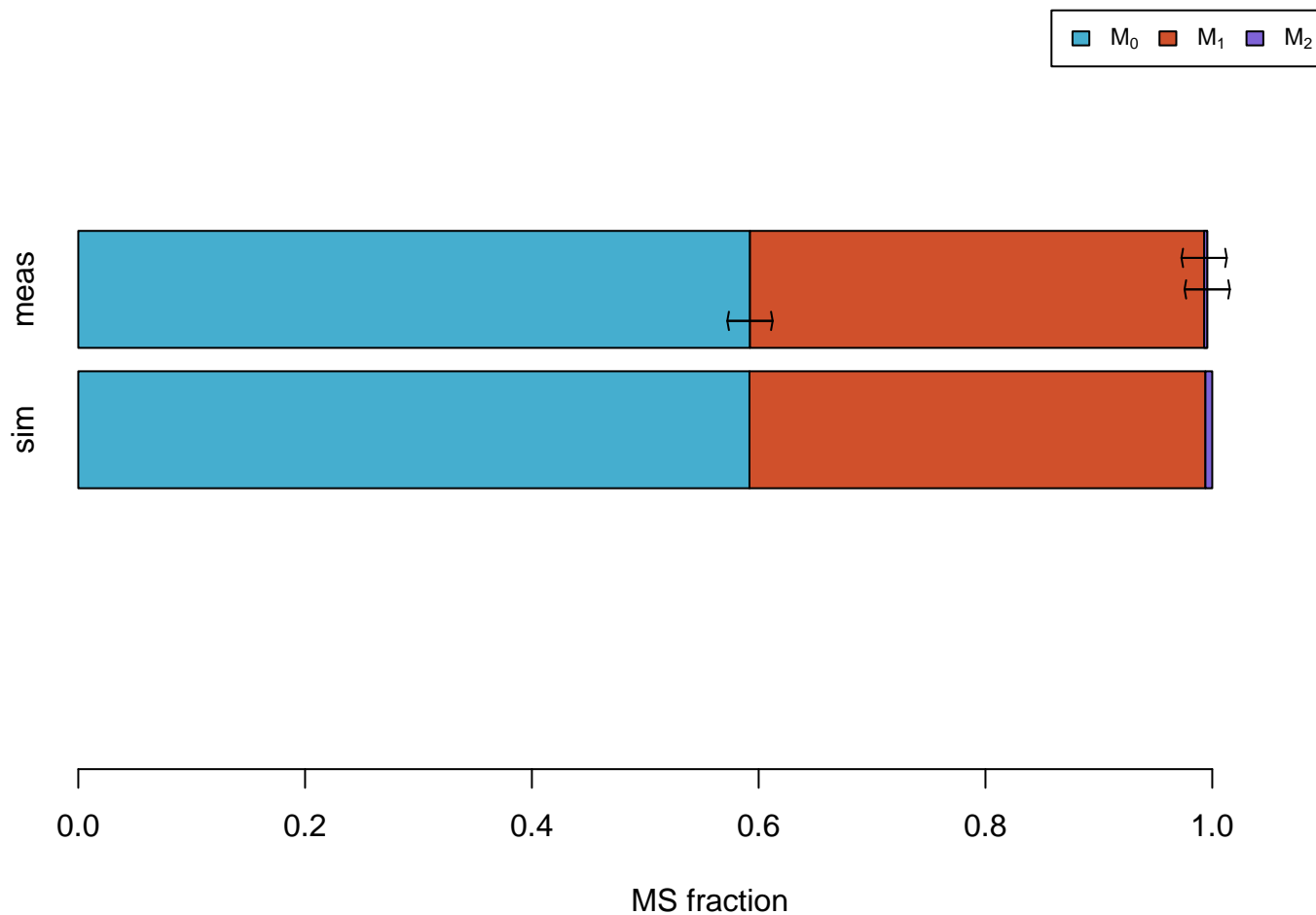
Ala #011



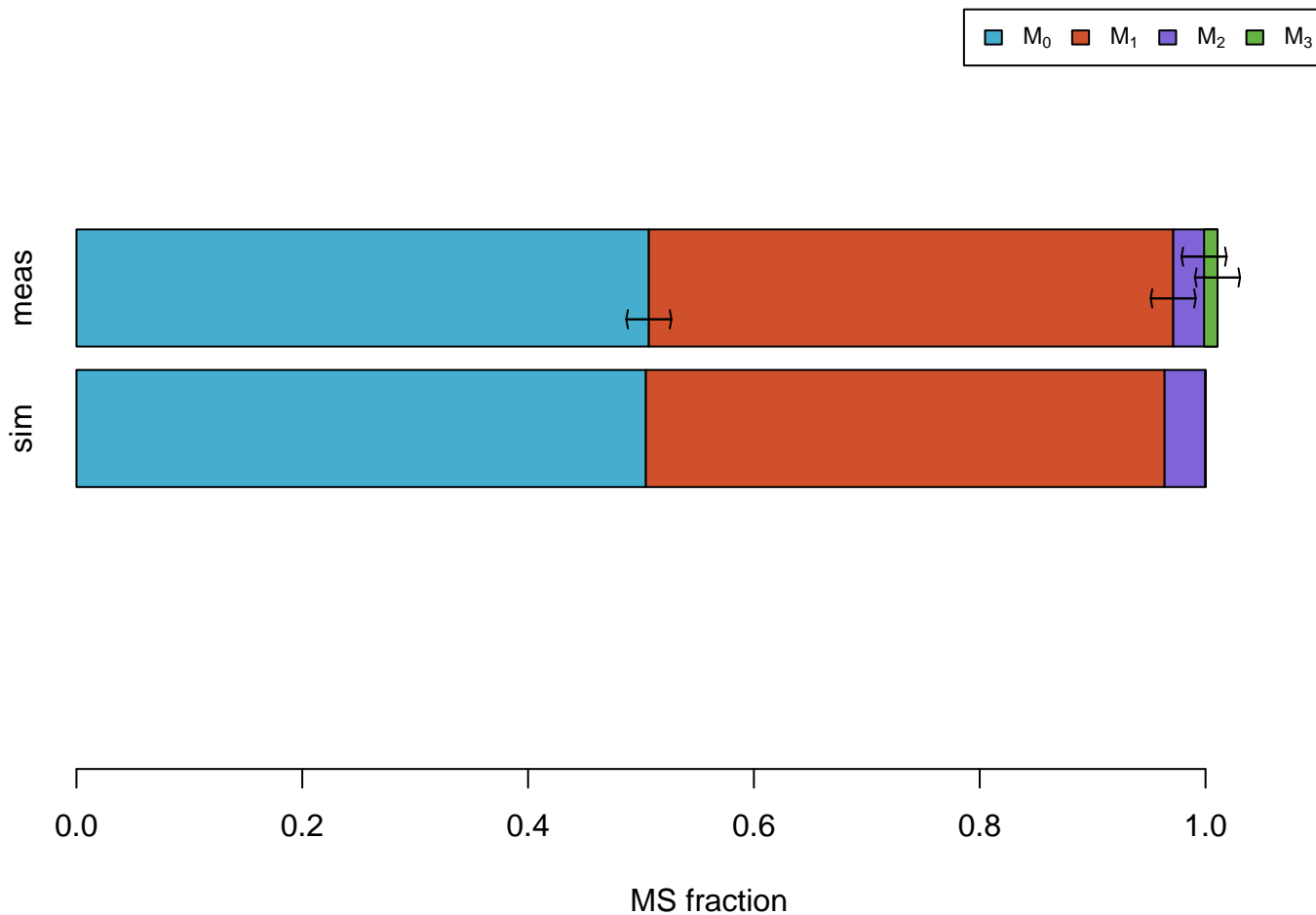
Asp



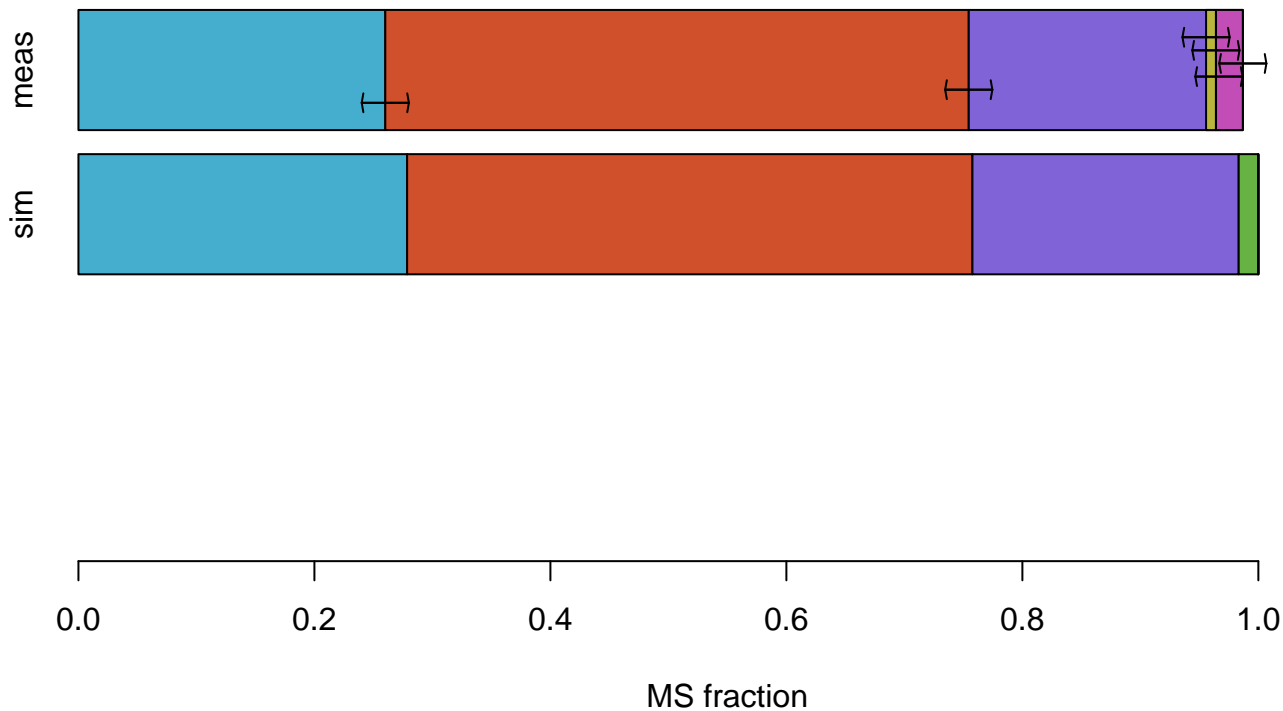
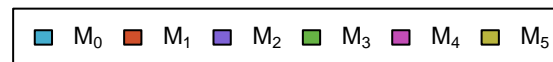
Asp #1100



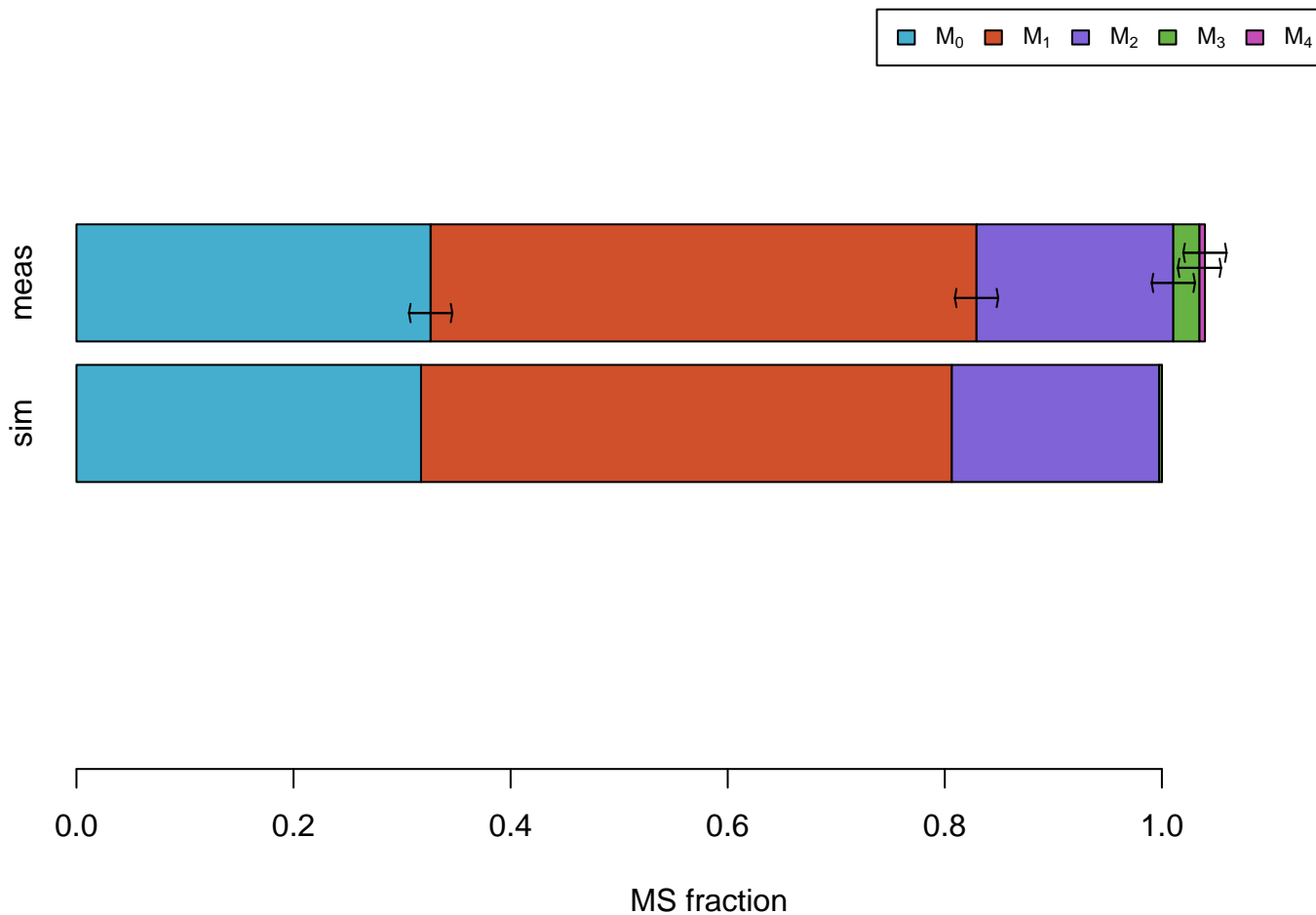
Asp #0111



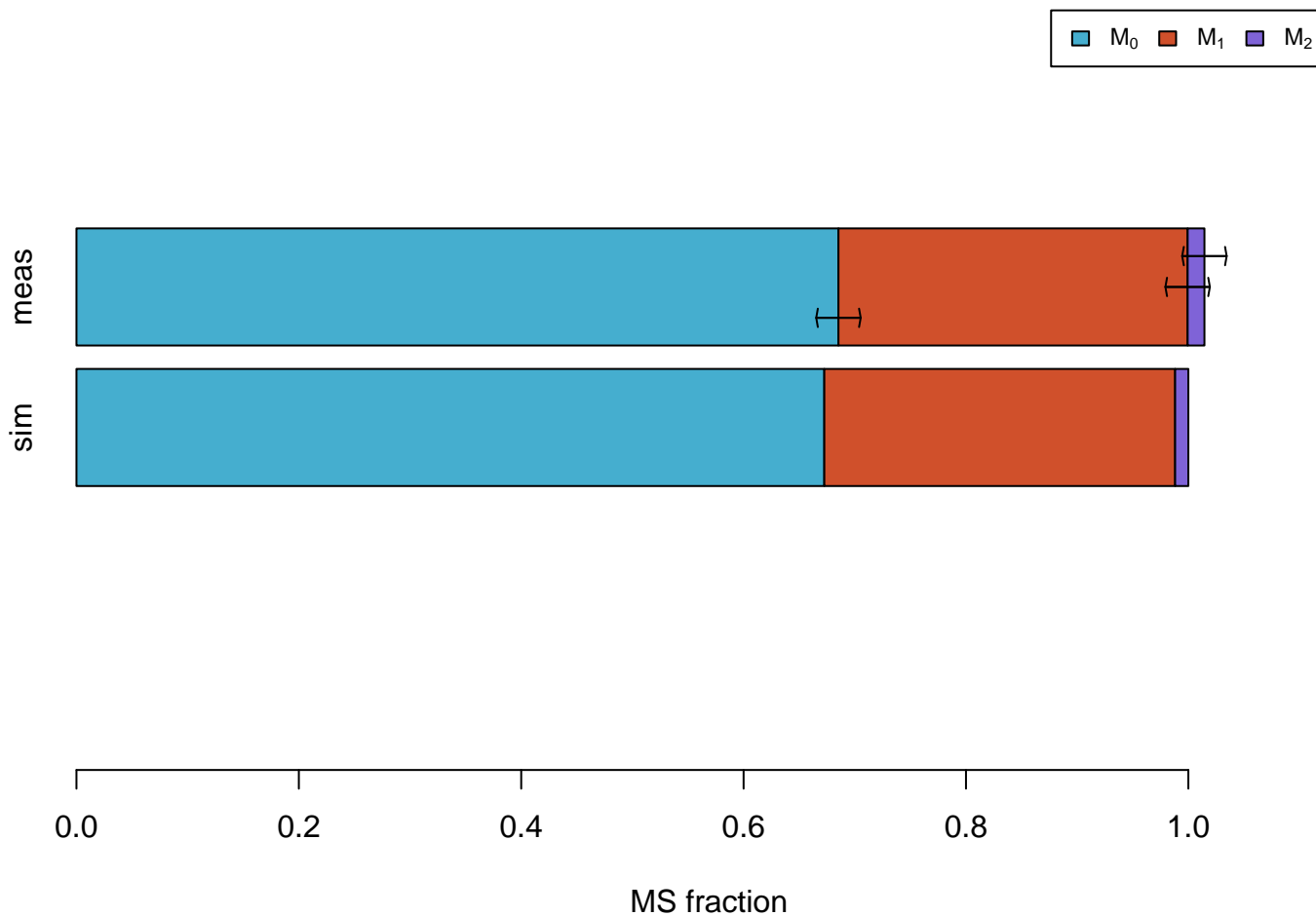
Glu



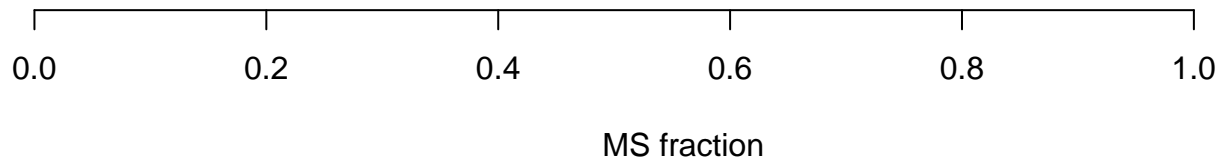
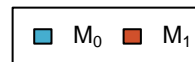
Glu #01111



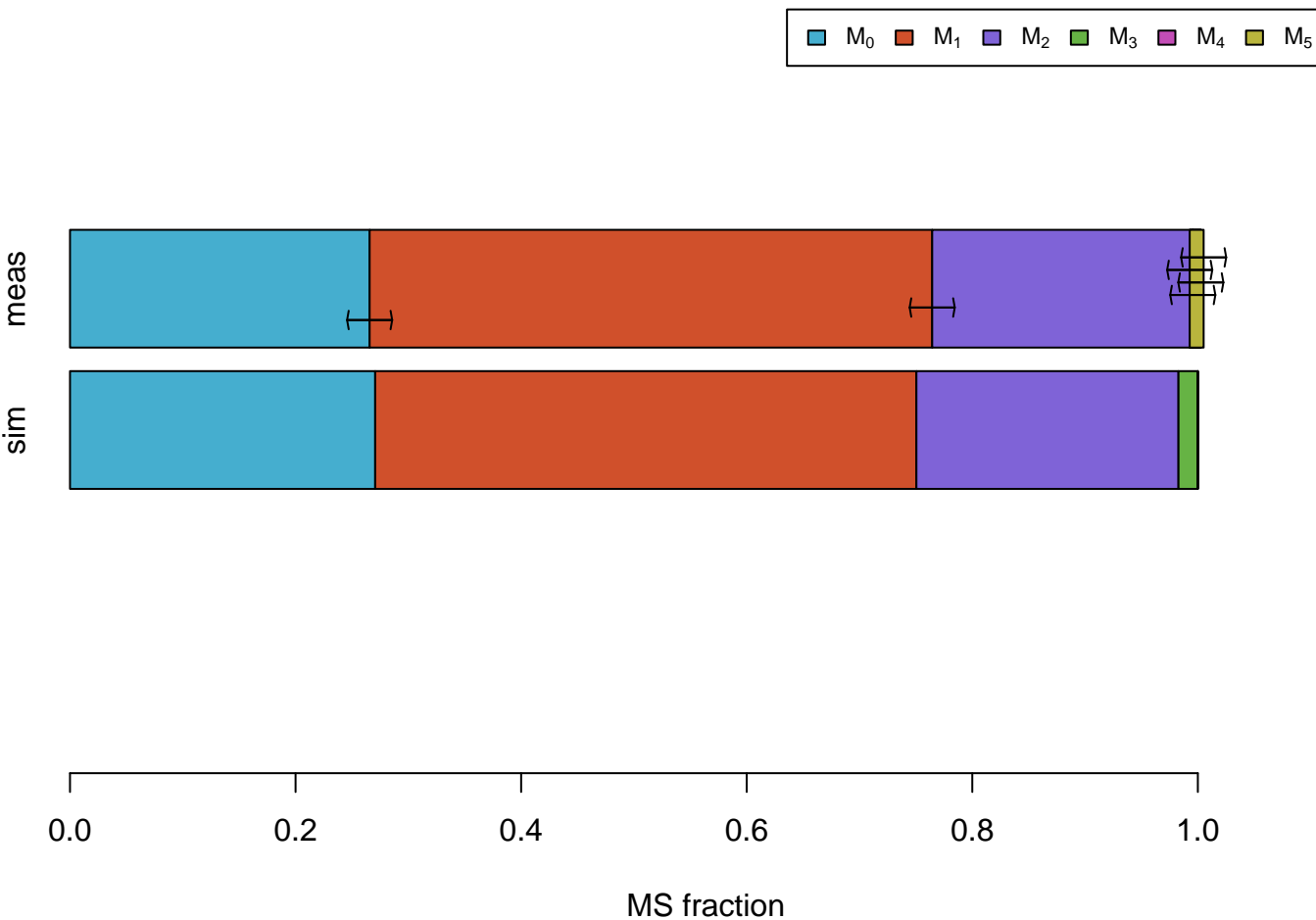
Gly



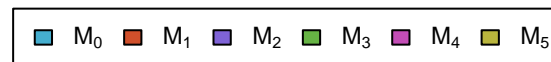
Gly #01



Ile #011111

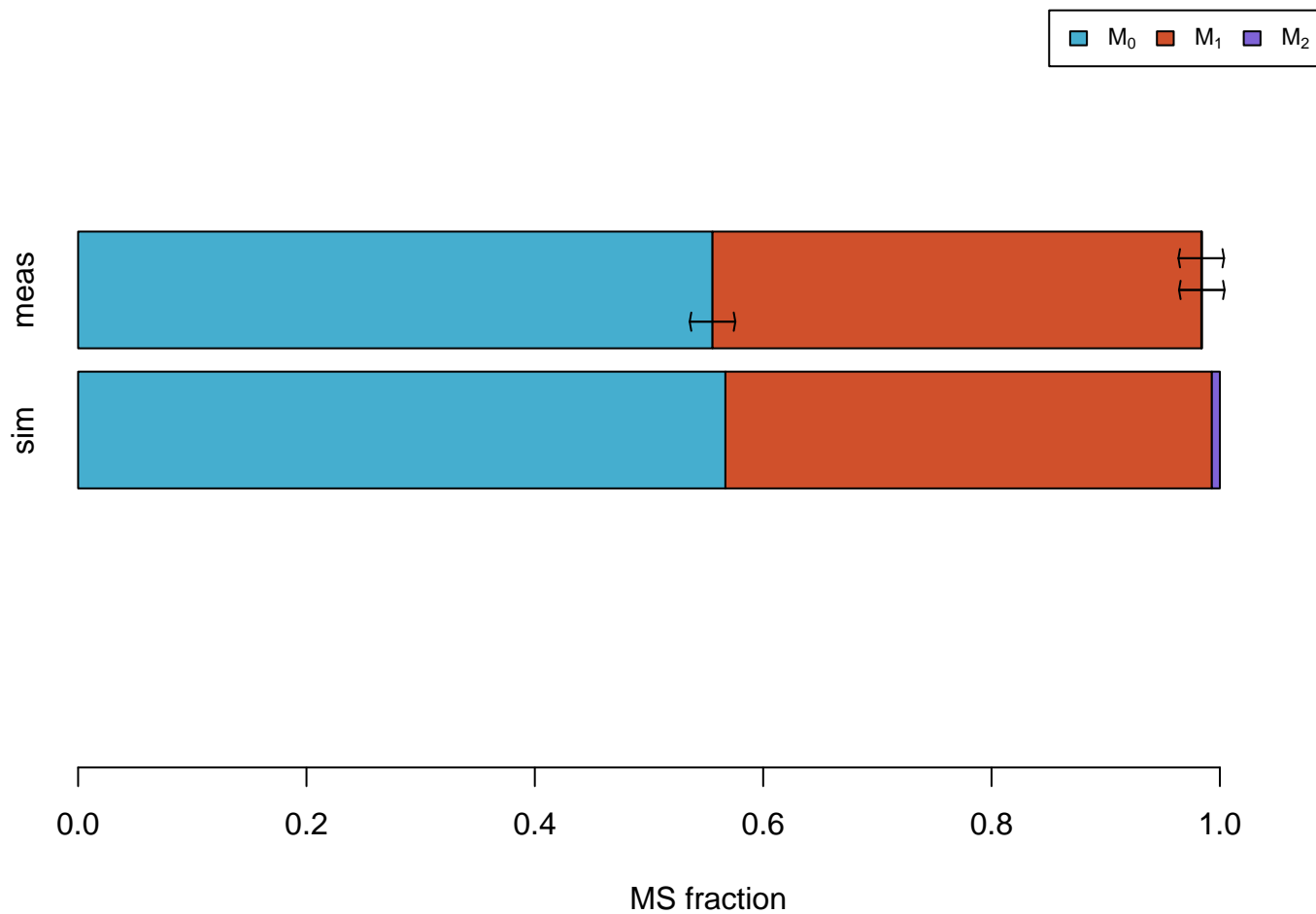


Leu #011111

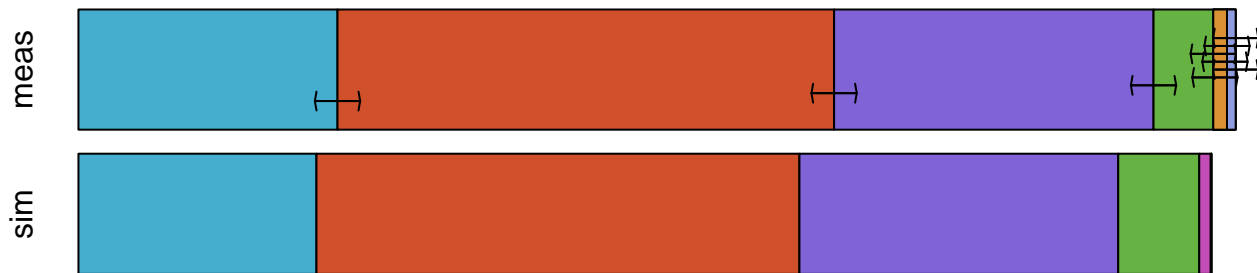


MS fraction

Phe #110000000

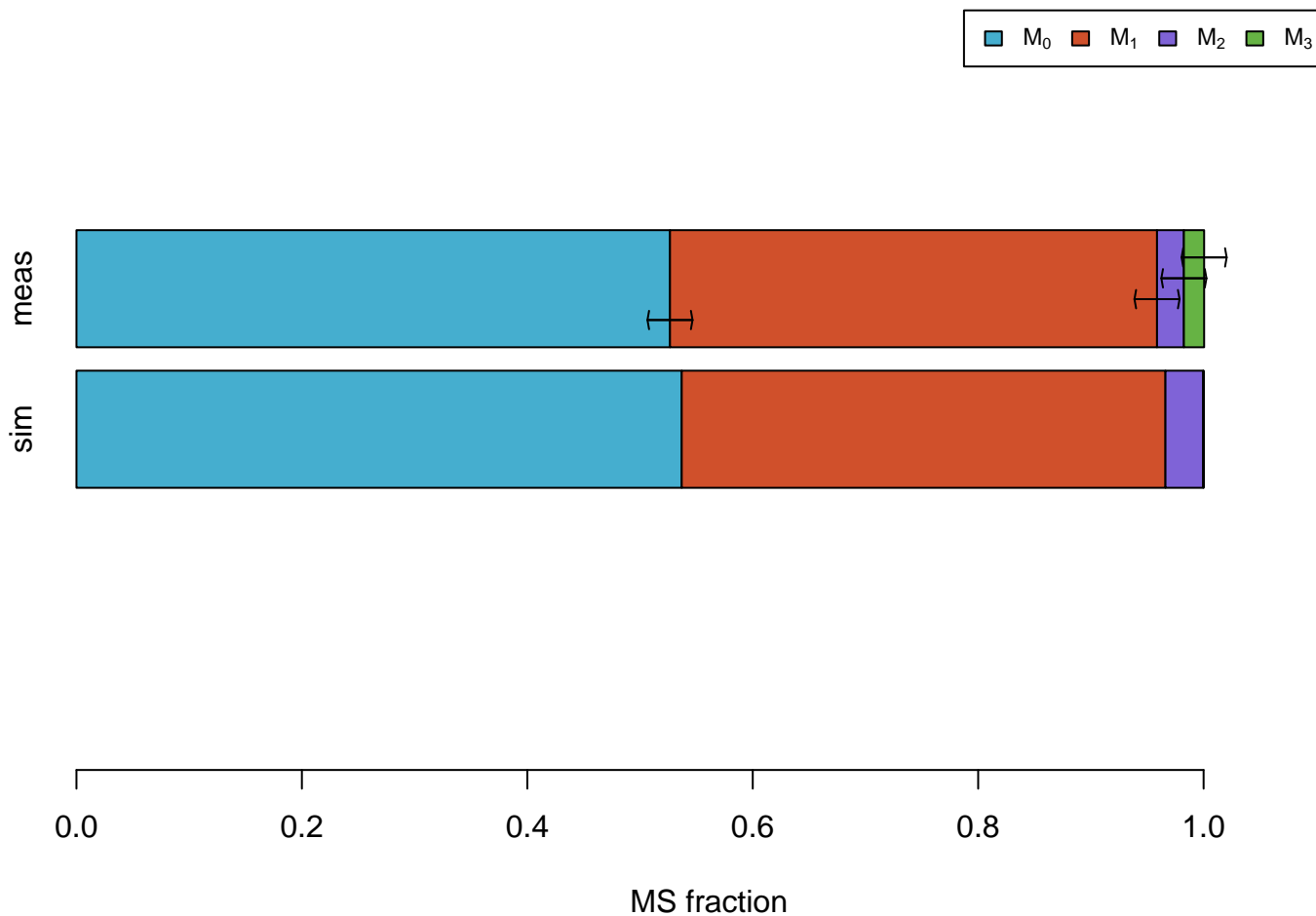


Phe #011111111

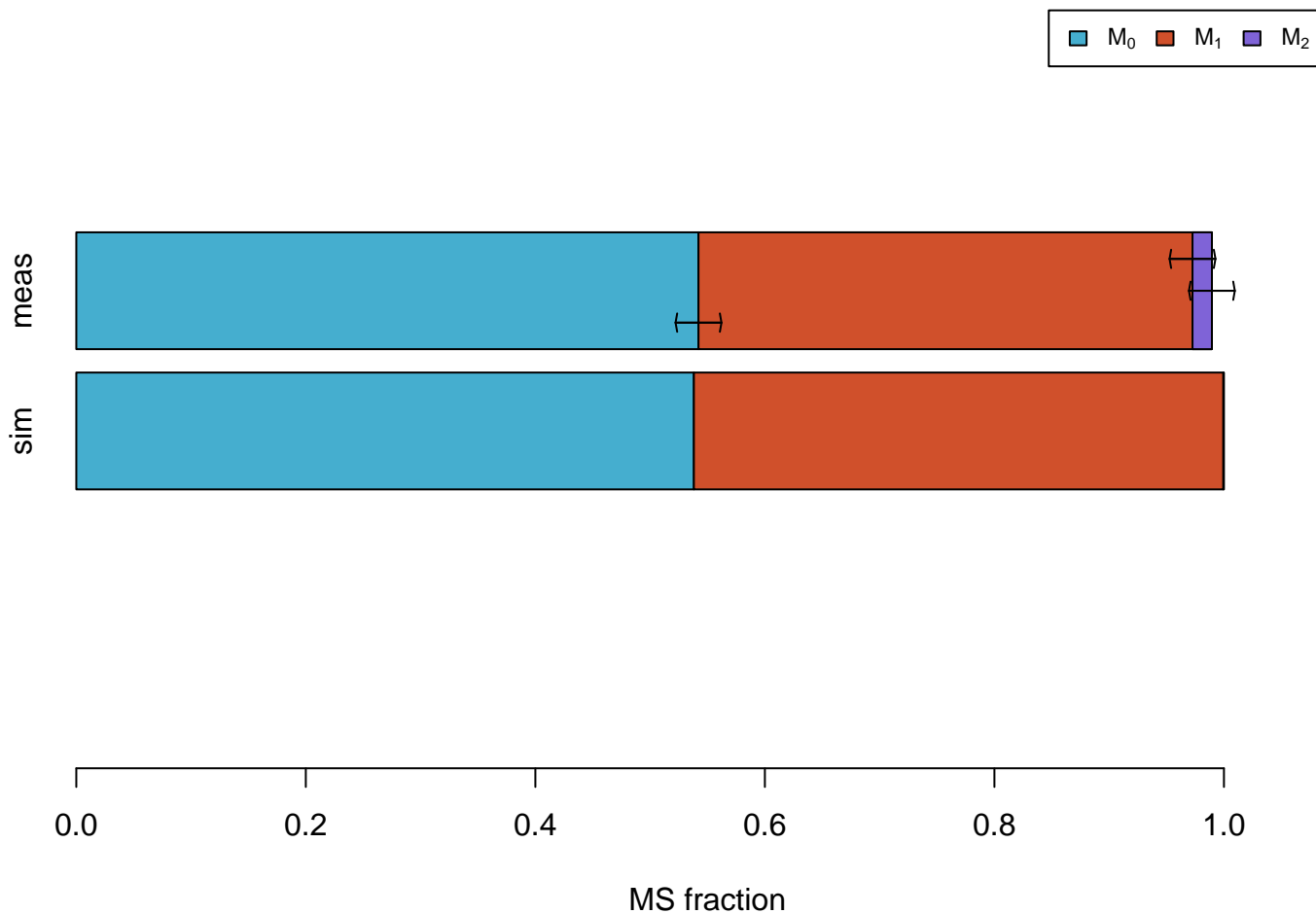


MS fraction

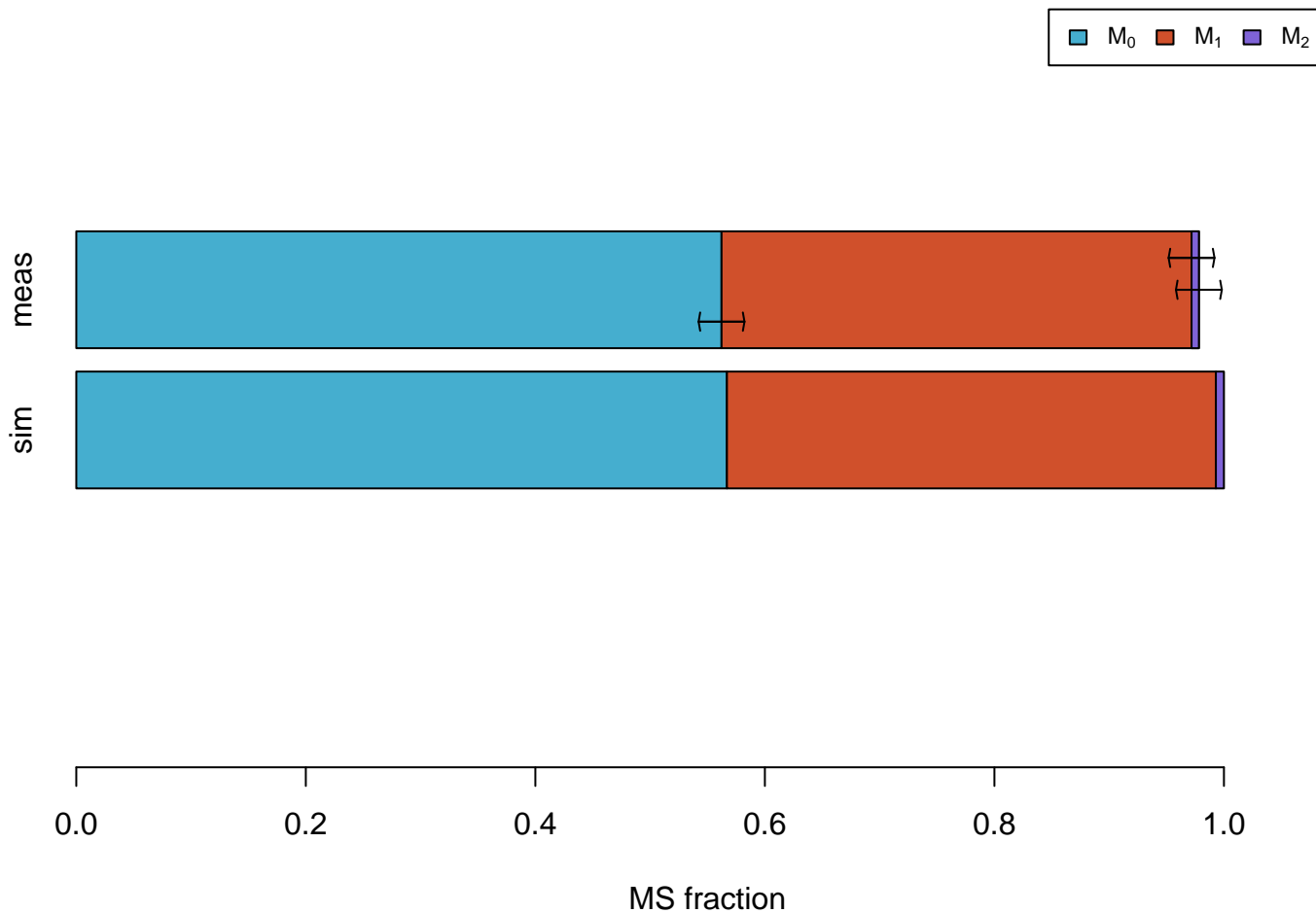
Ser



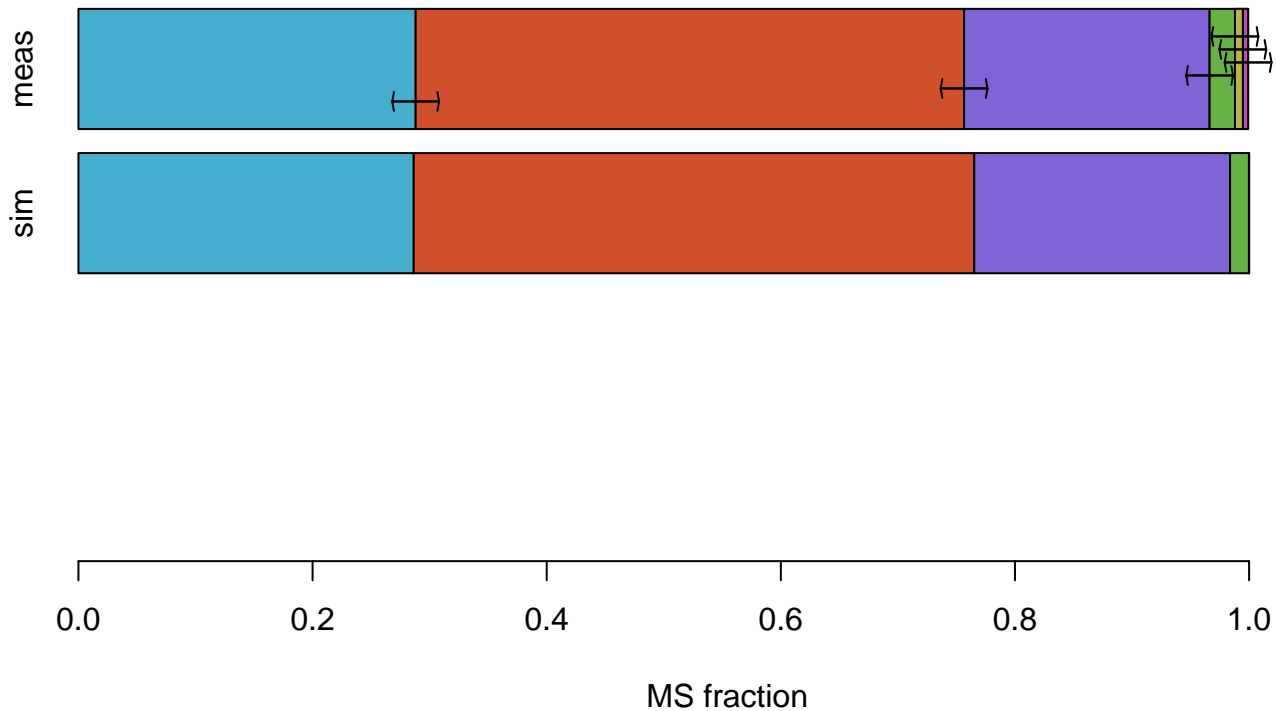
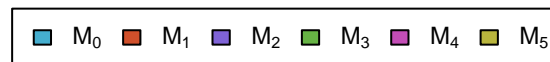
Ser #011



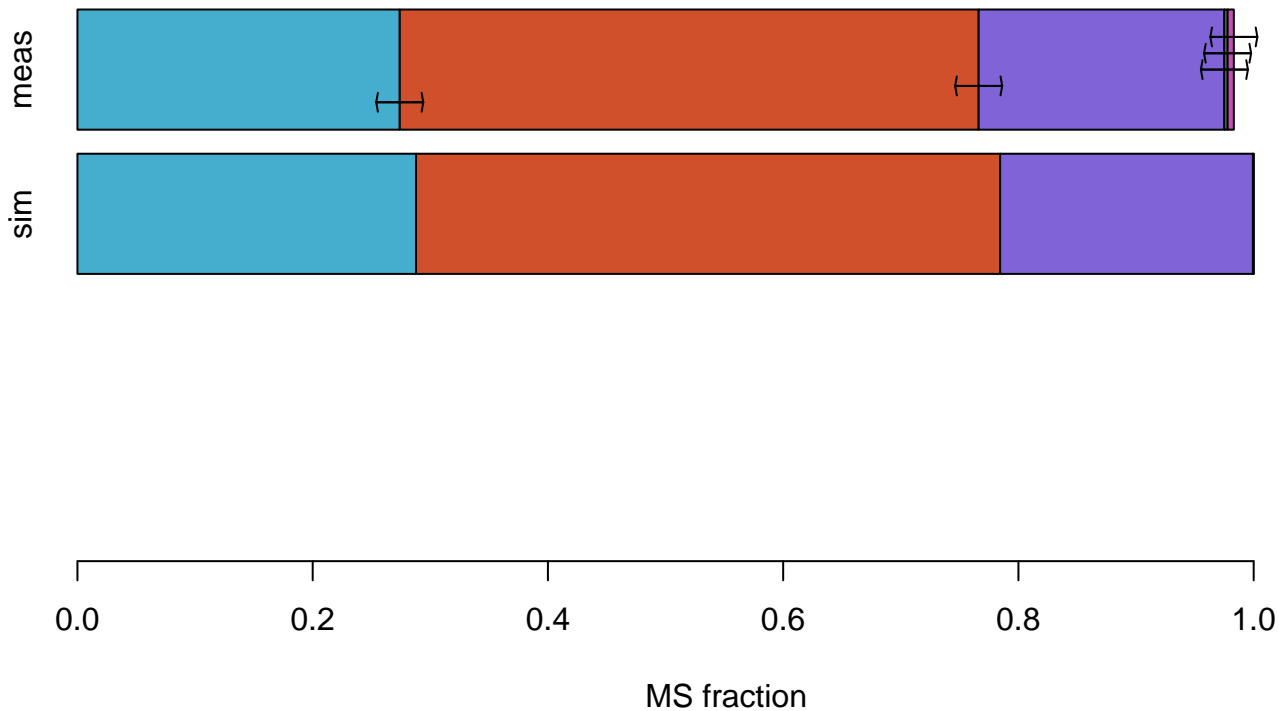
Tyr #110000000



Val



Val #01111

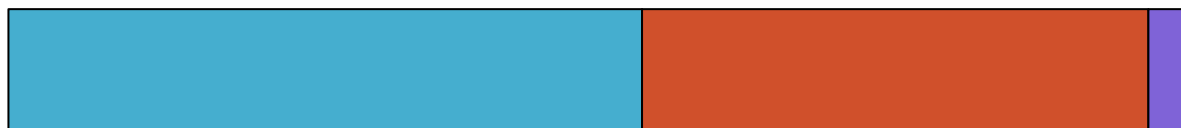


MS simulations

3PG



sim



0.0

0.2

0.4

0.6

0.8

1.0

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

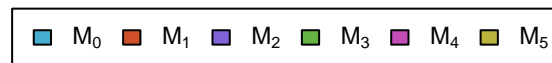
0.6

0.8

1.0

MS fraction

AKG



MS fraction

Asn

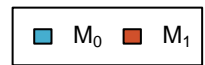


sim



MS fraction

CO2



sim



MS fraction

Cys



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

DHAP



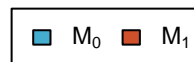
MS fraction

E4P



MS fraction

FTHF



sim



0.0

0.2

0.4

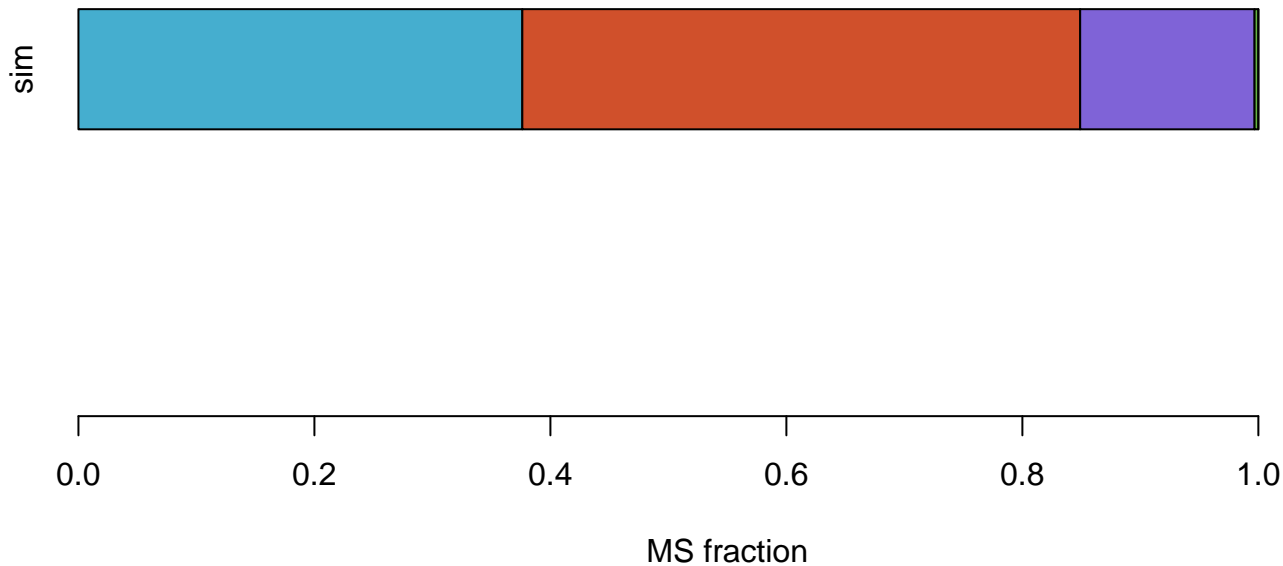
0.6

0.8

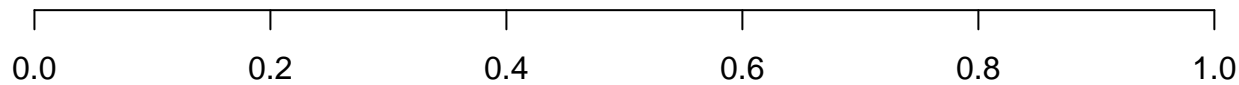
1.0

MS fraction

Fum

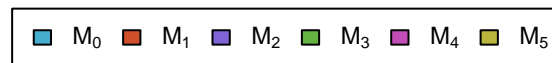


GAP



MS fraction

Gln



MS fraction

Glyox



sim



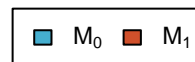
MS fraction

Mal



MS fraction

MEETHF

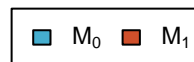


sim



MS fraction

METHF



sim



MS fraction

OAC



MS fraction

PEP

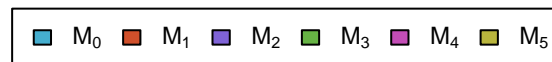


sim



MS fraction

Pro



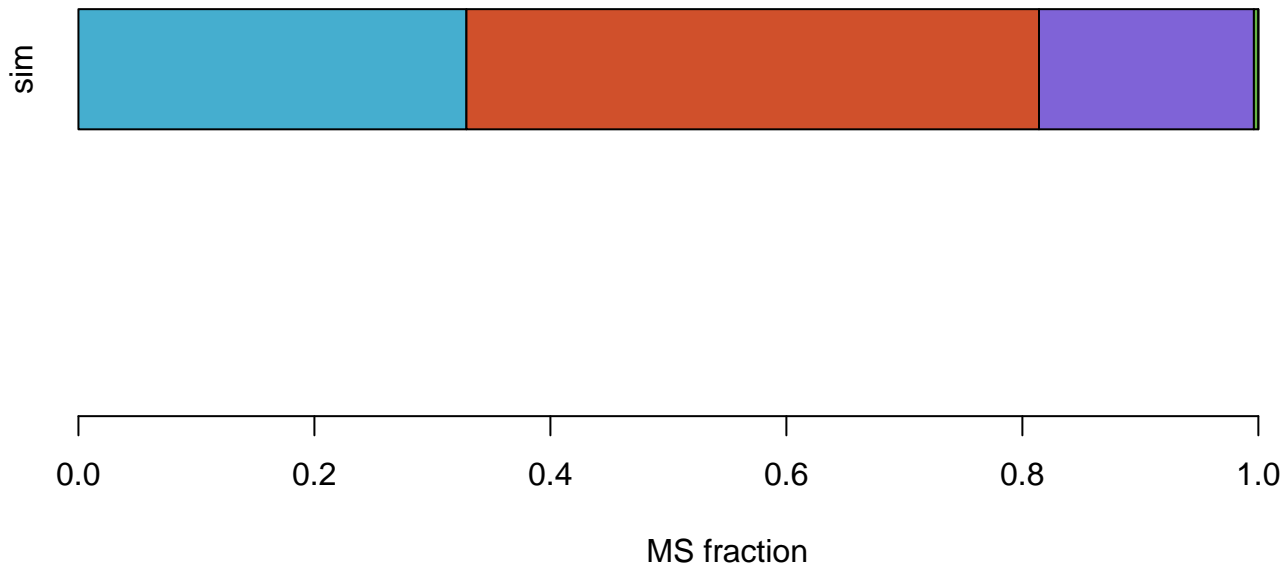
MS fraction

Pyr

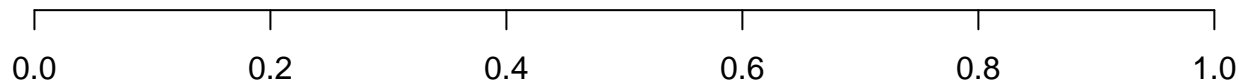


MS fraction

Suc



SucCoA



MS fraction

TA-C3



MS fraction

Thr



sim



0.0

0.2

0.4

0.6

0.8

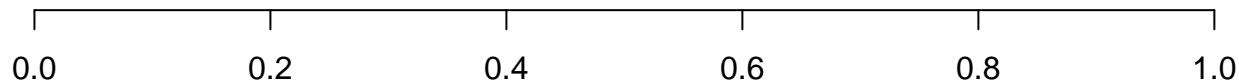
1.0

MS fraction

TK-C2



sim



MS fraction