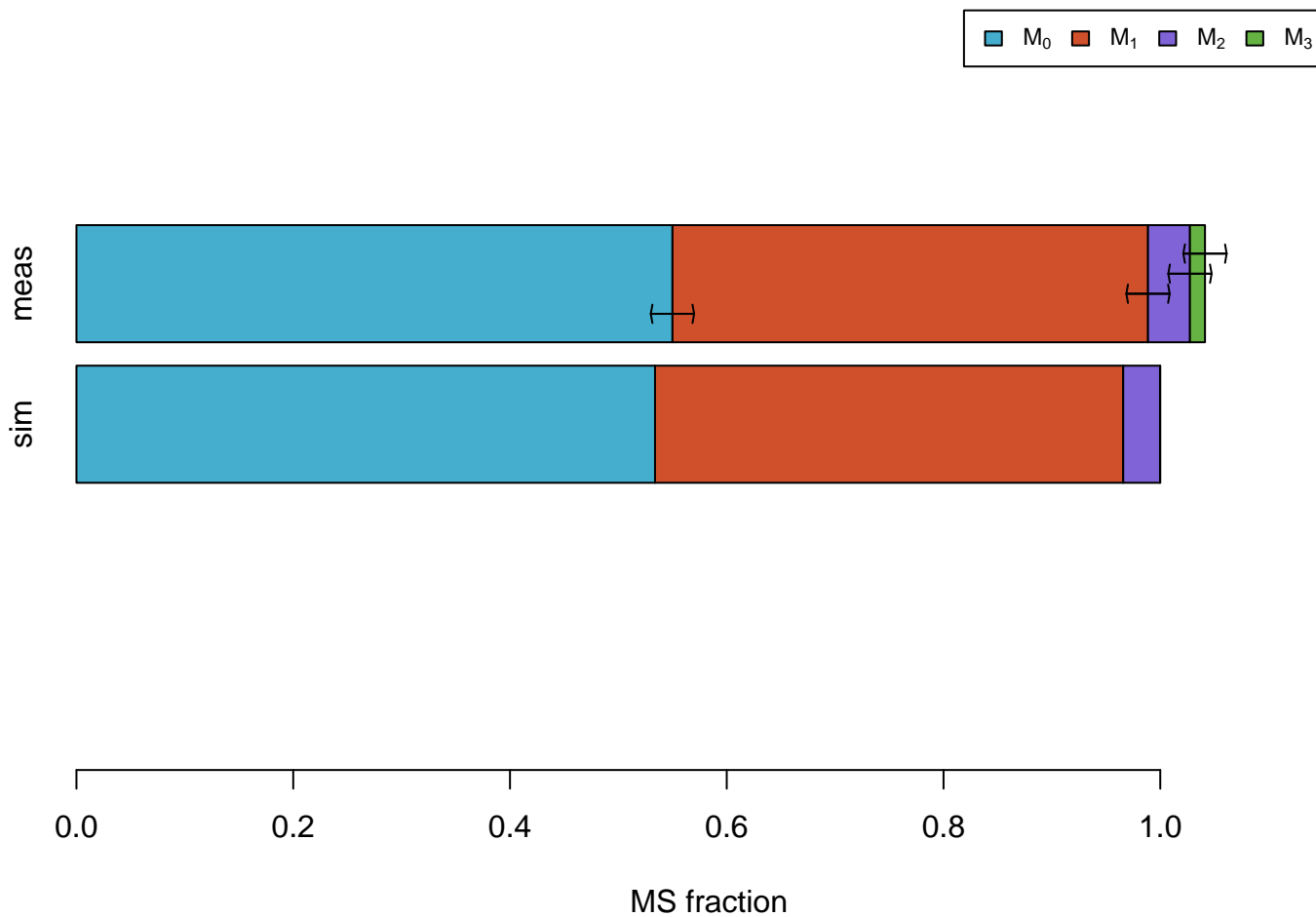
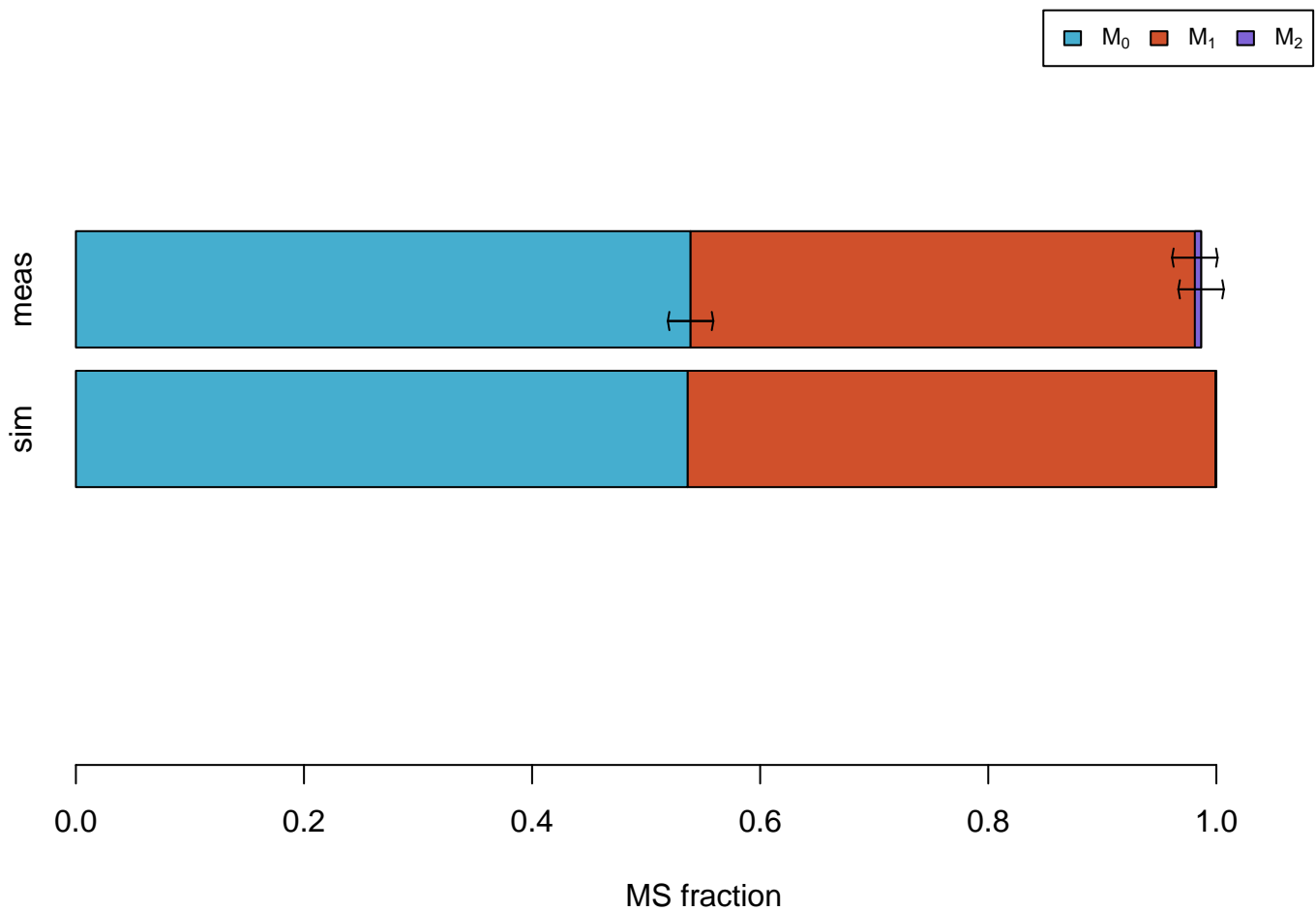


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

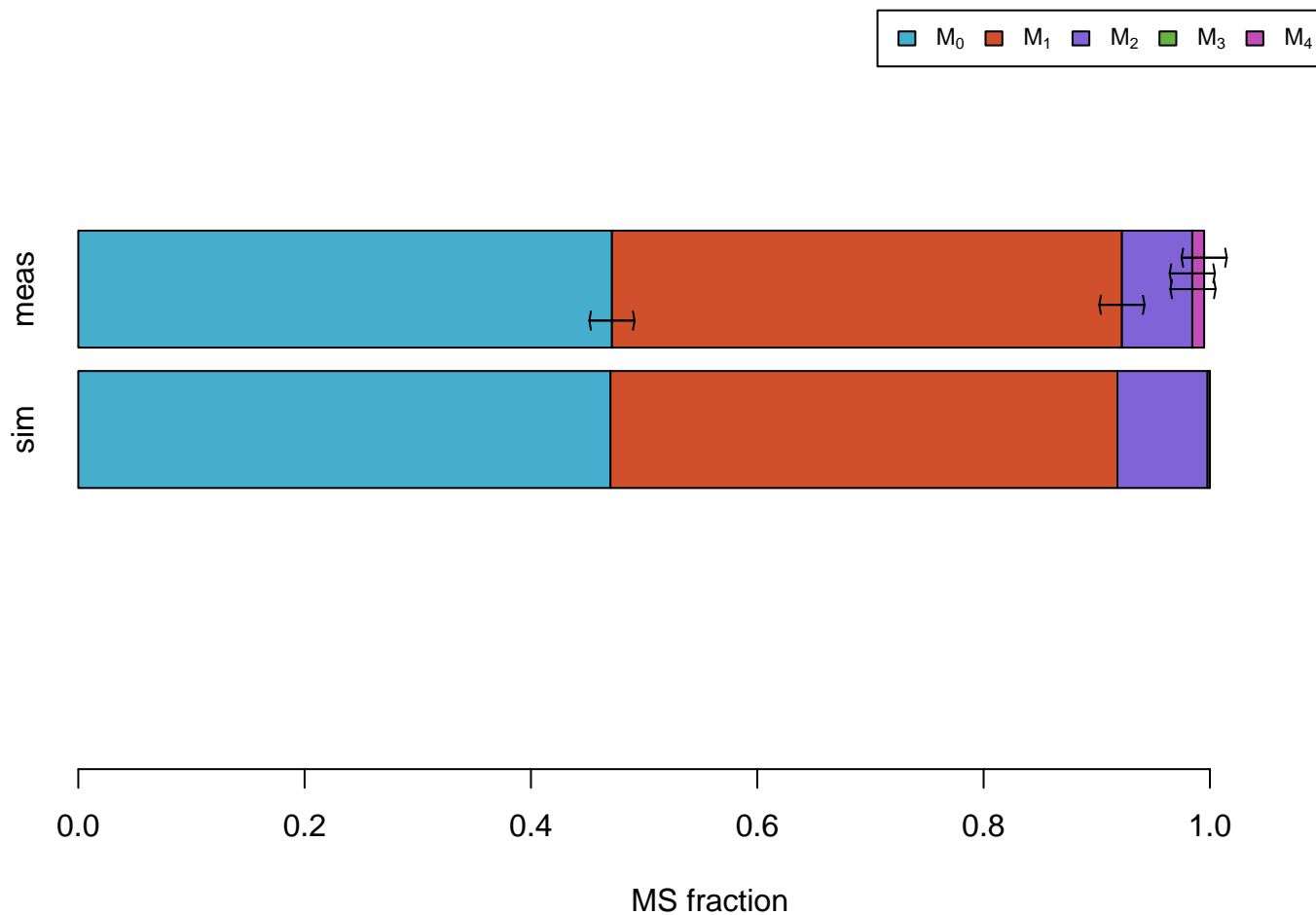
Ala



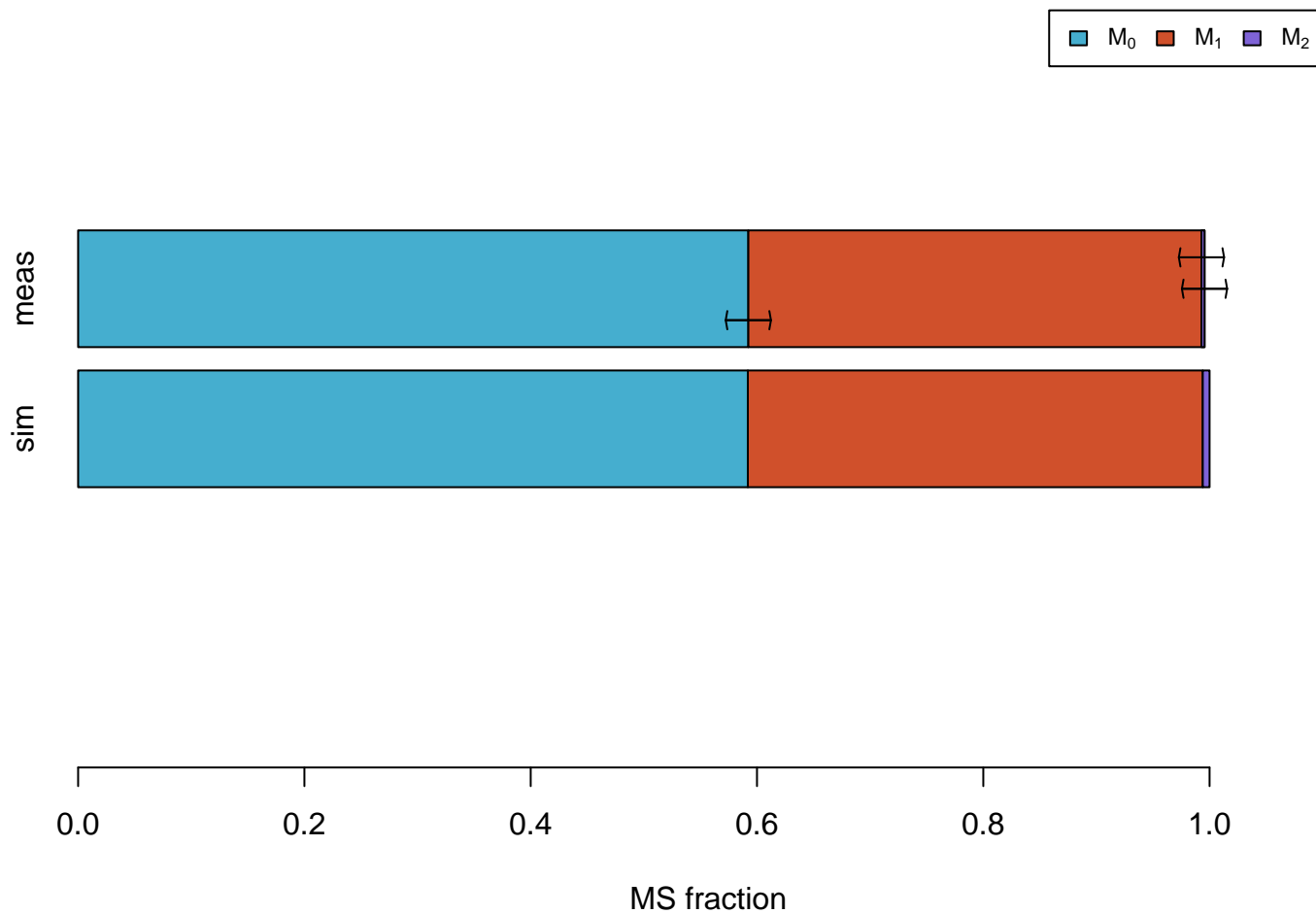
Ala #011



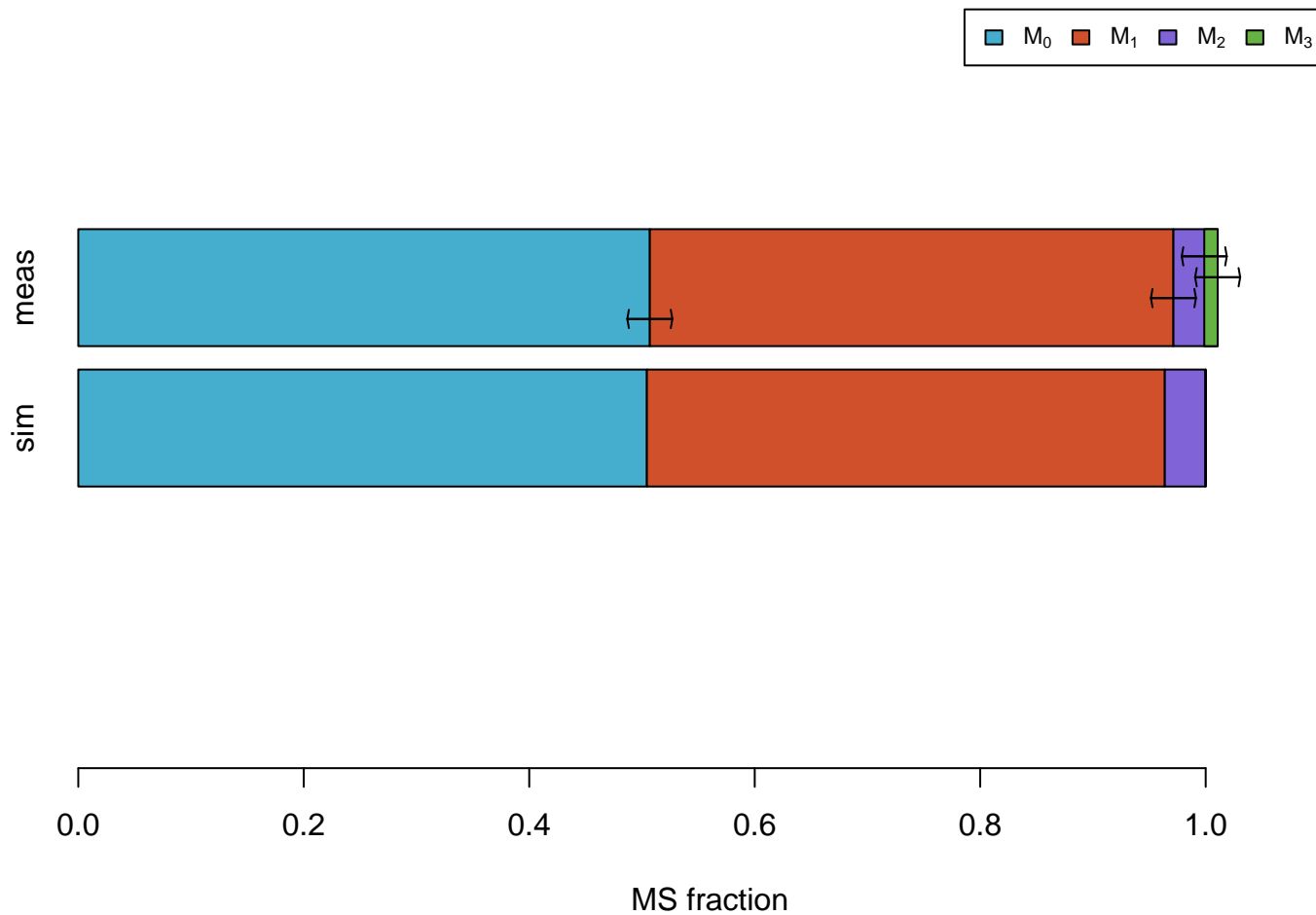
Asp



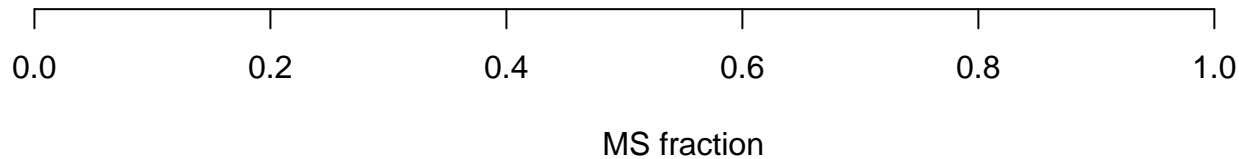
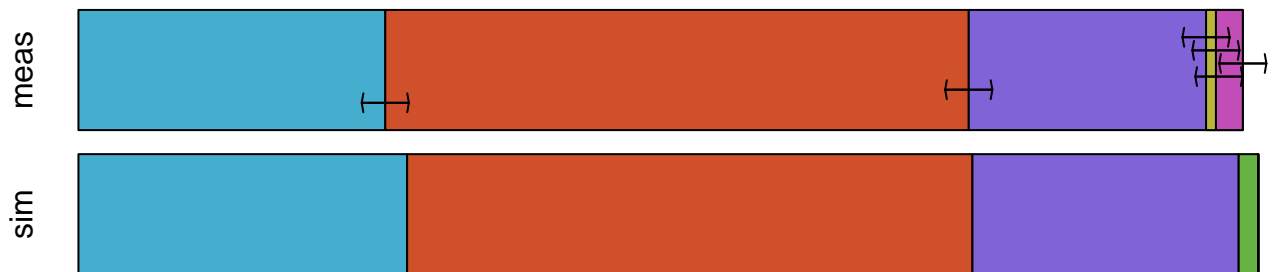
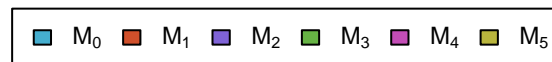
Asp #1100



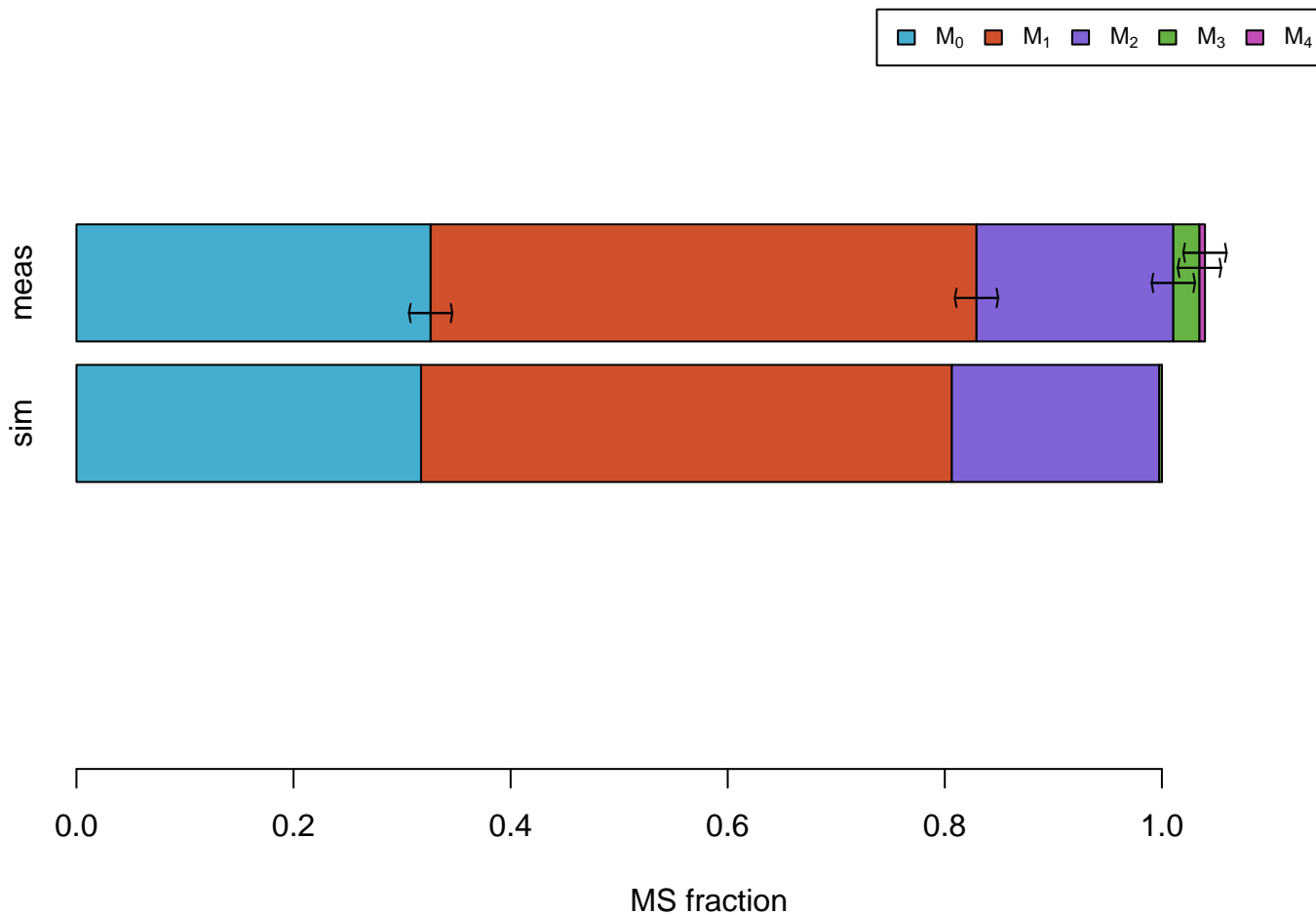
Asp #0111



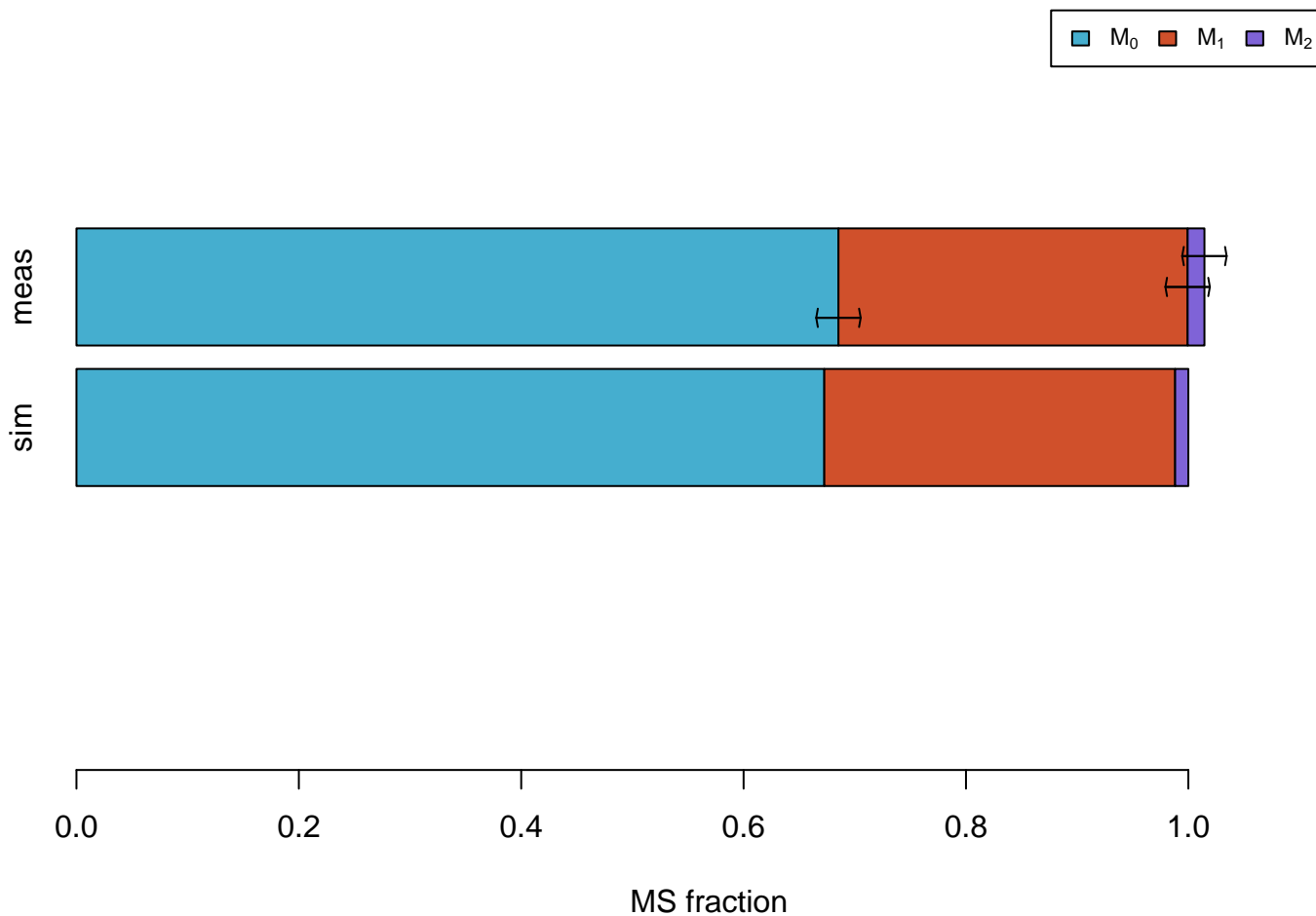
Glu



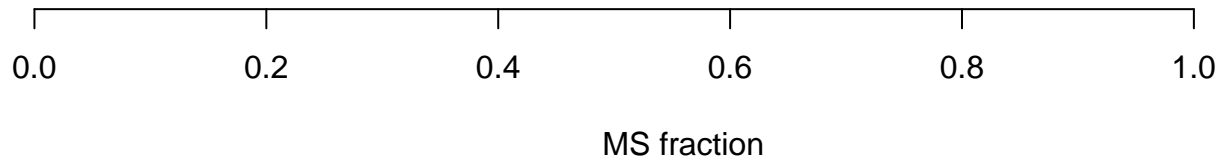
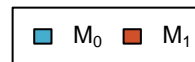
Glu #01111



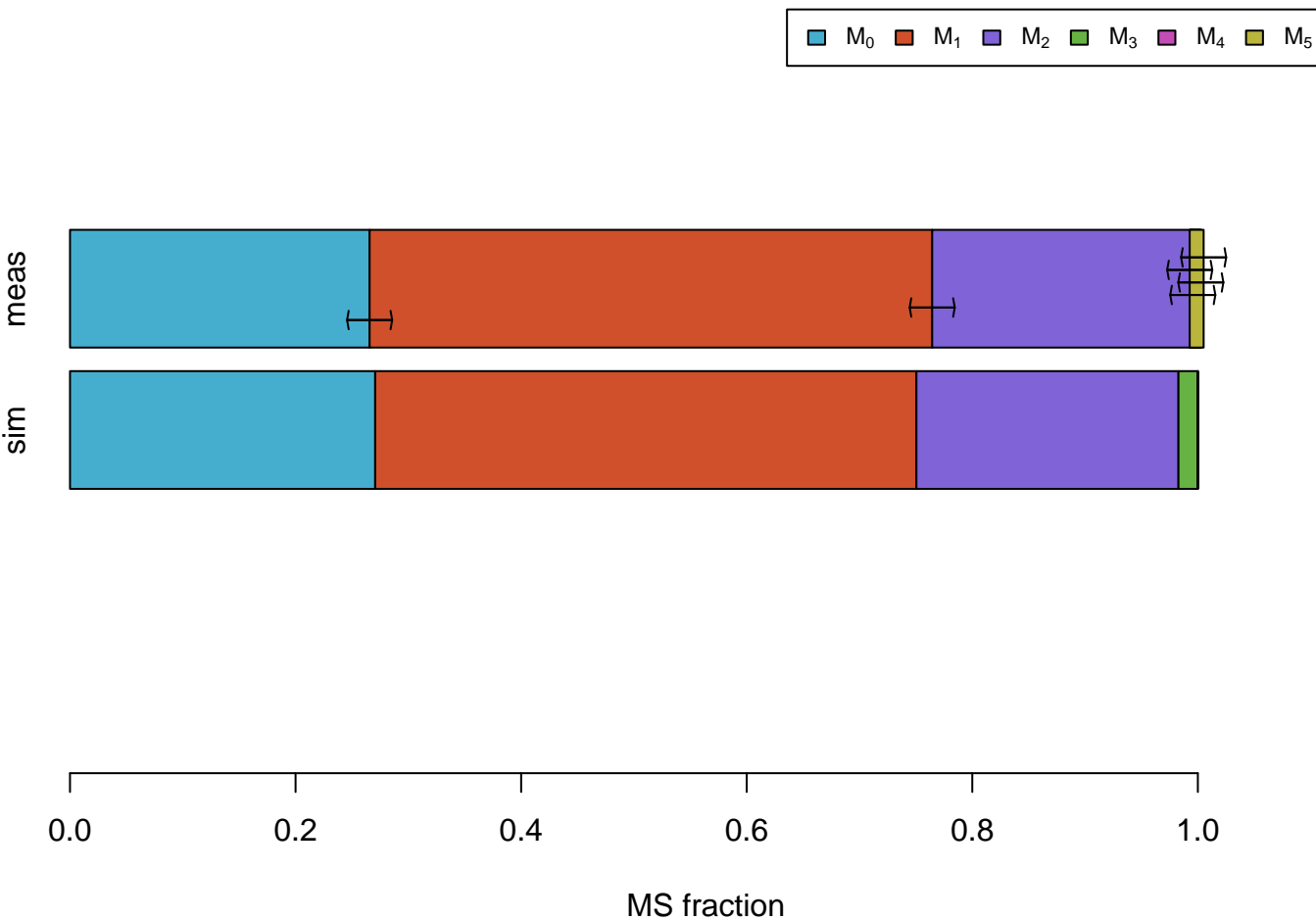
Gly



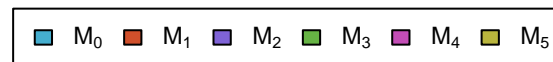
Gly #01



Ile #011111

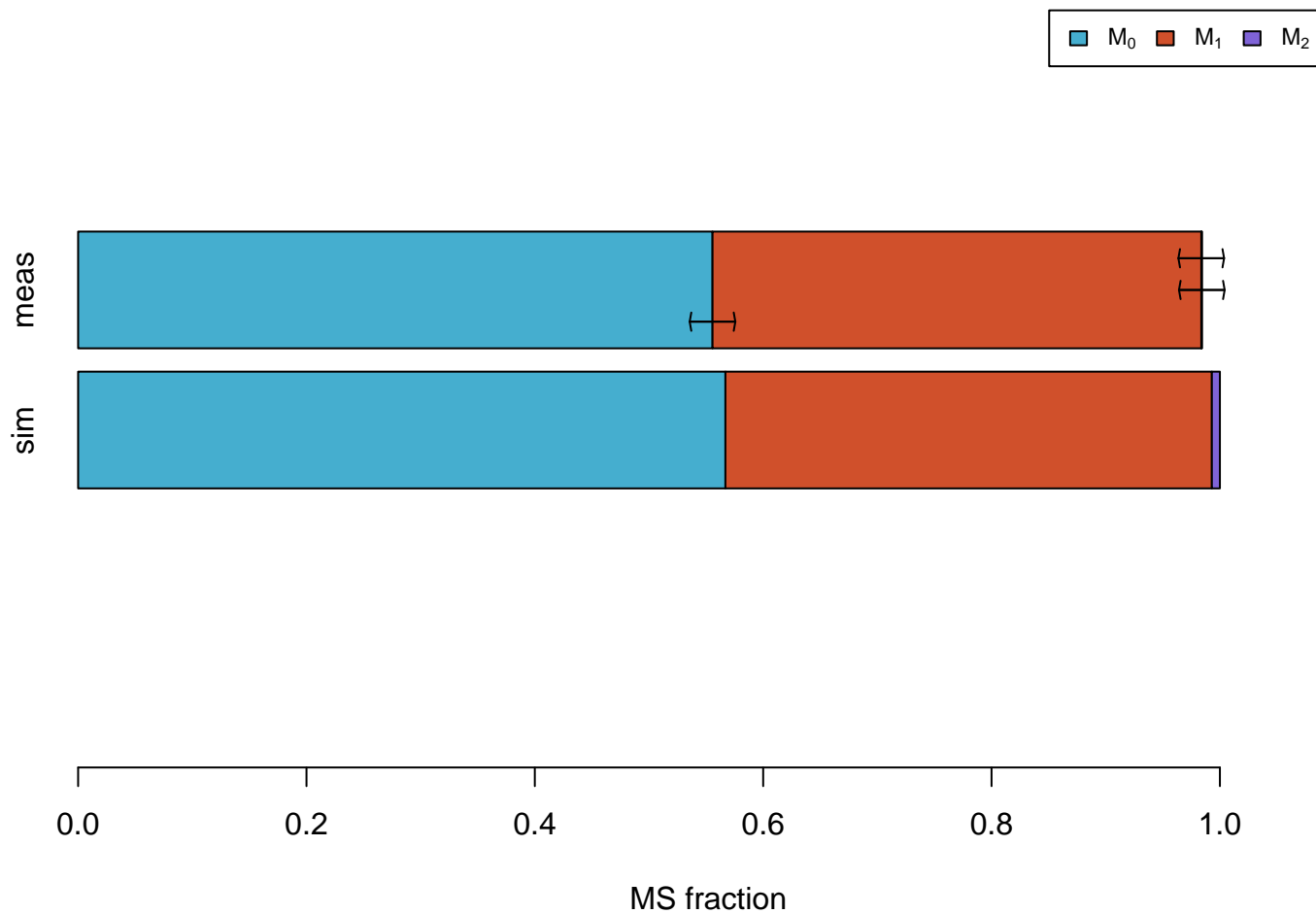


Leu #011111

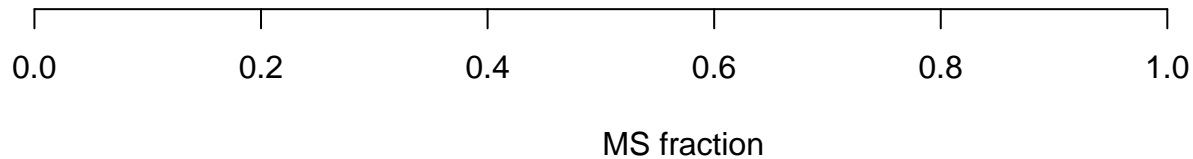
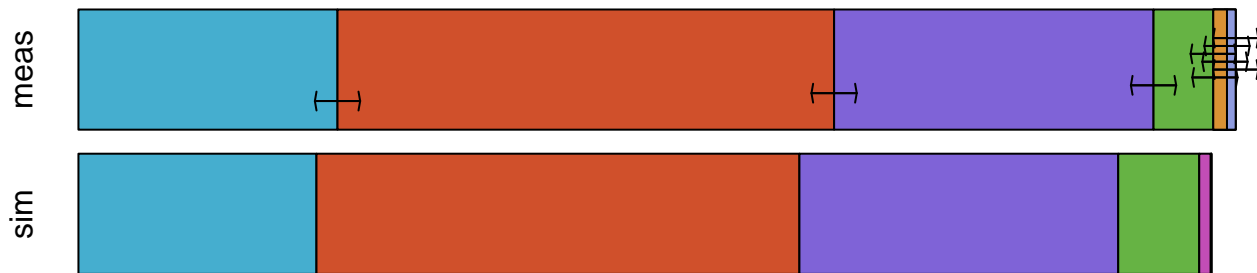


MS fraction

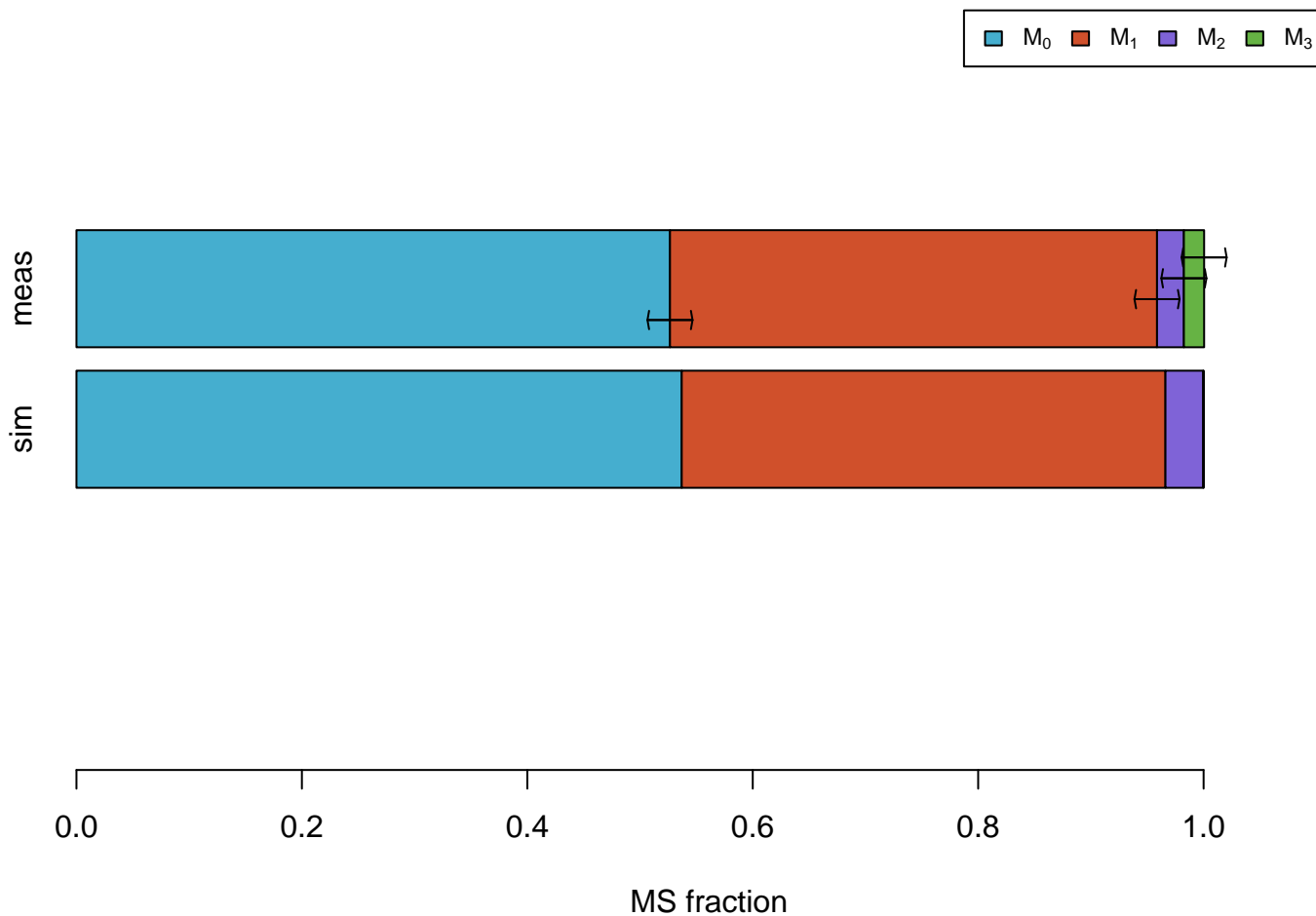
Phe #110000000



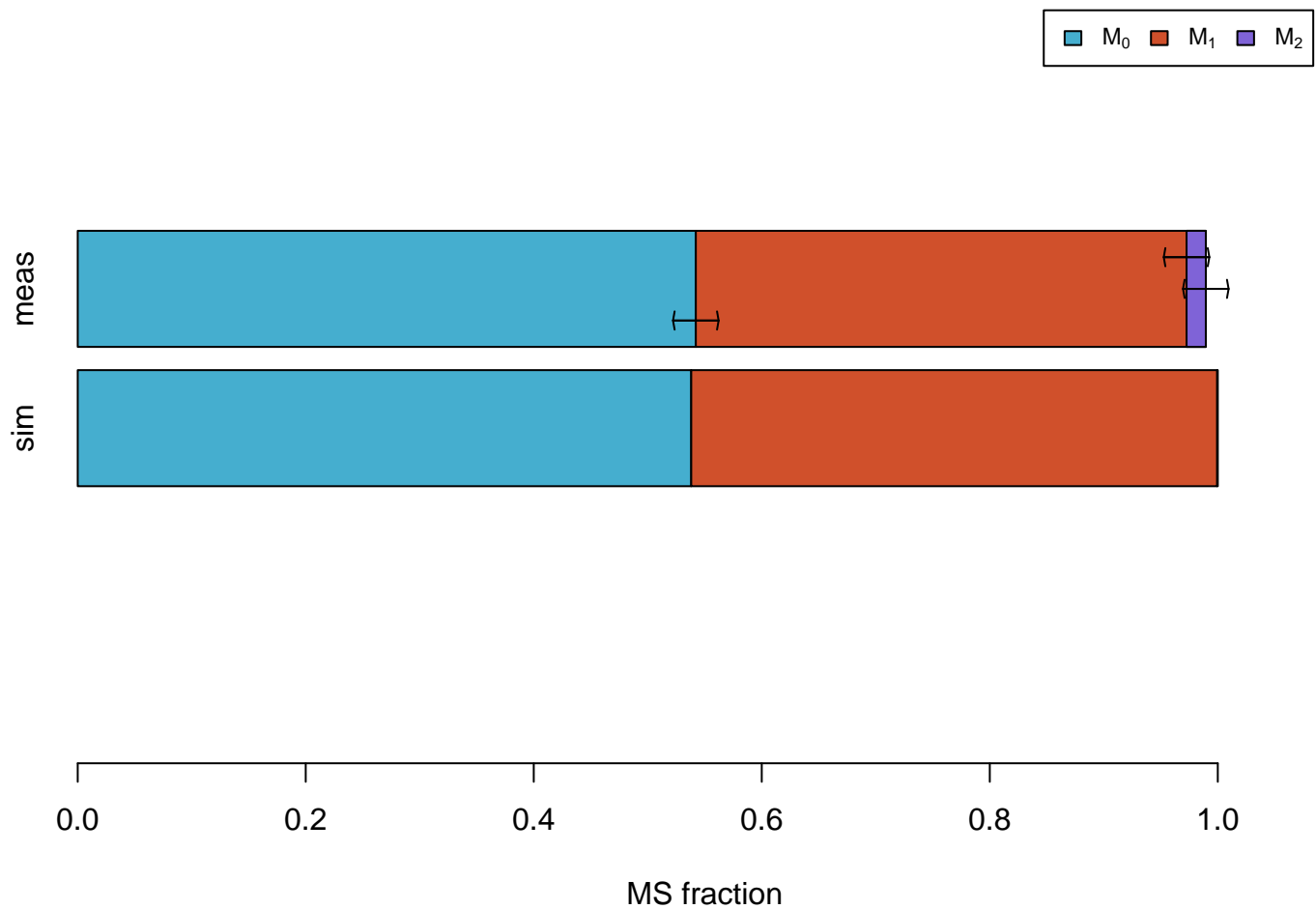
Phe #011111111



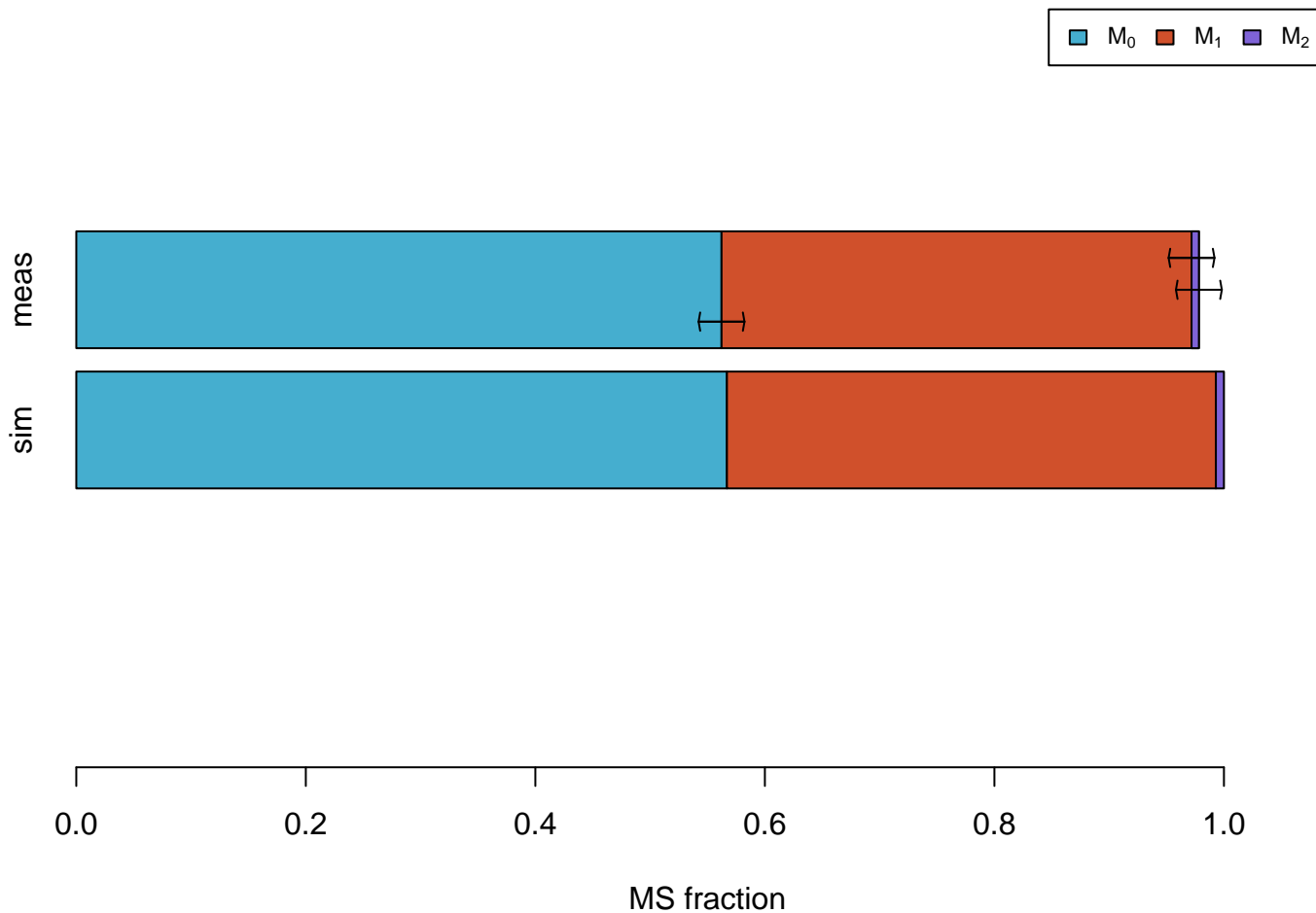
Ser



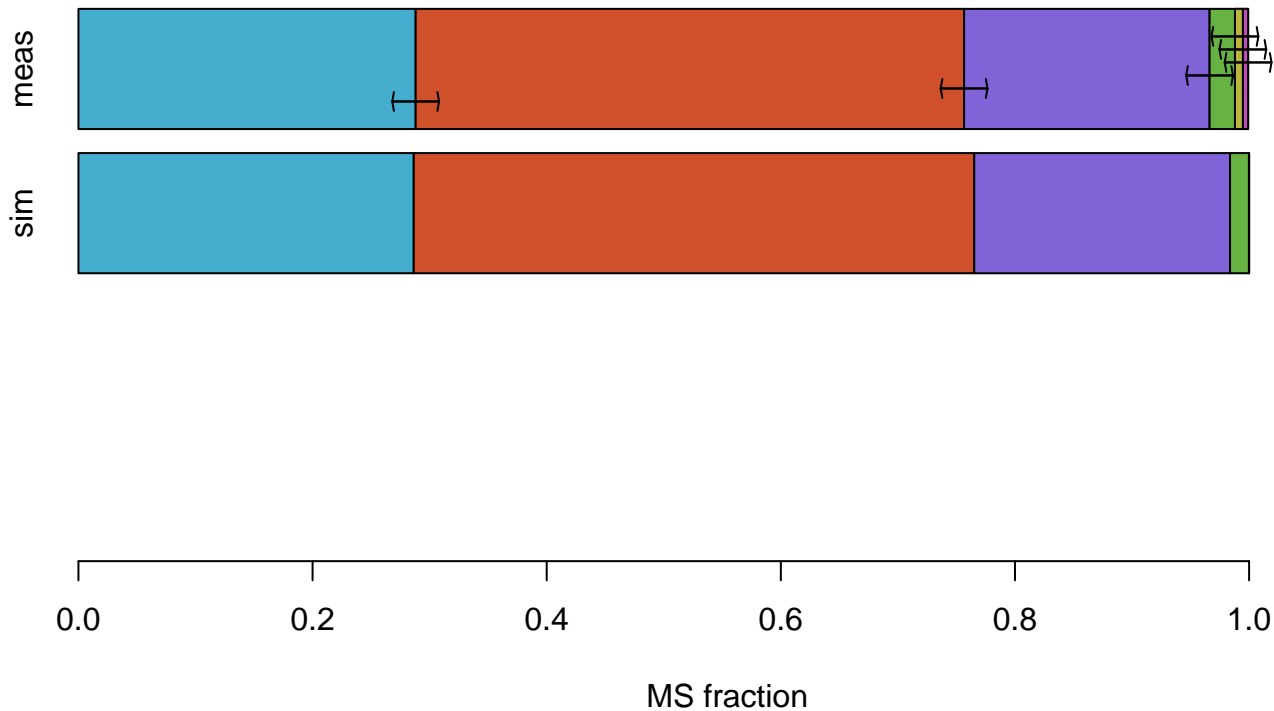
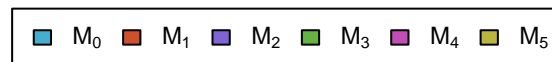
Ser #011



Tyr #110000000



Val



Val #01111



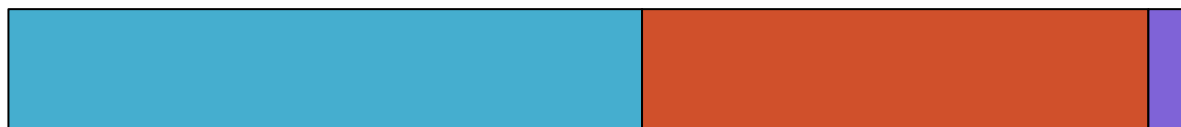
MS fraction

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

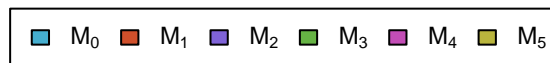


sim



MS fraction

AKG



MS fraction

Asn



sim



0.0

0.2

0.4

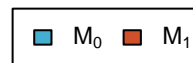
0.6

0.8

1.0

MS fraction

CO2



sim

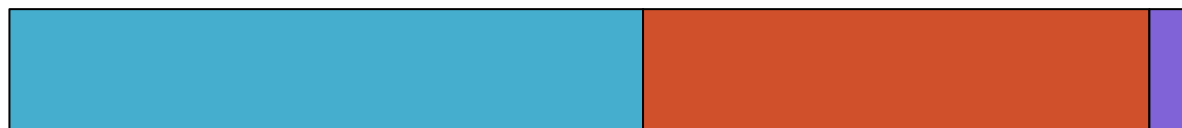


MS fraction

Cys



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

DHAP



MS fraction

E4P



sim



MS fraction

FTHF

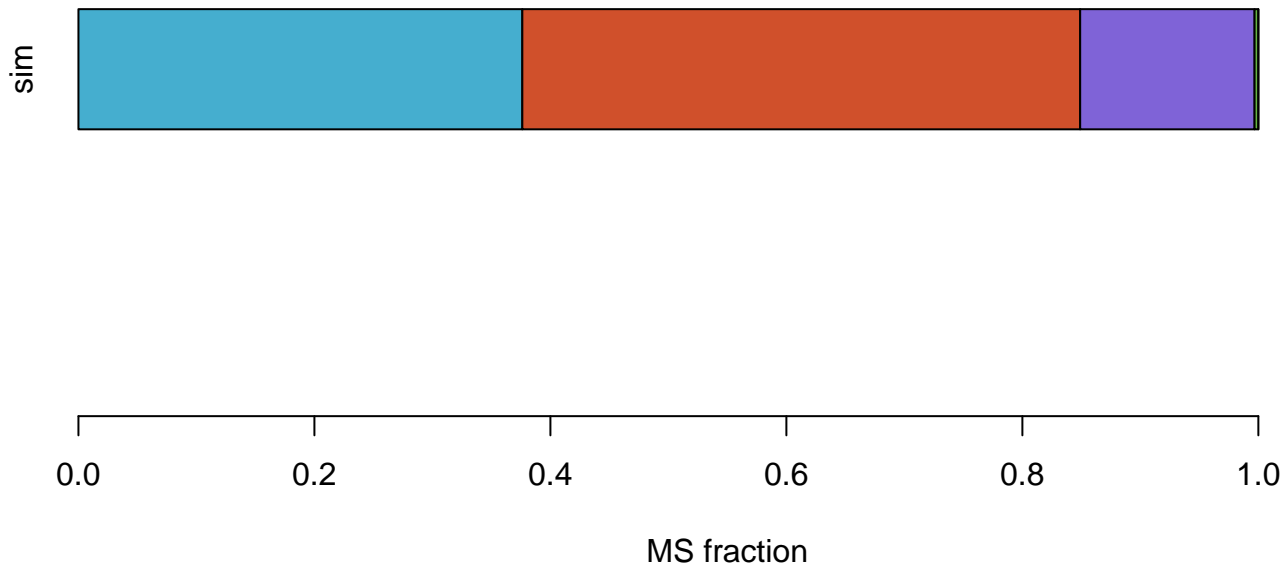


sim



MS fraction

Fum

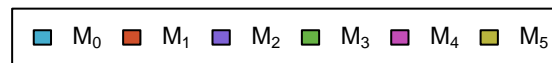


GAP



MS fraction

Gln

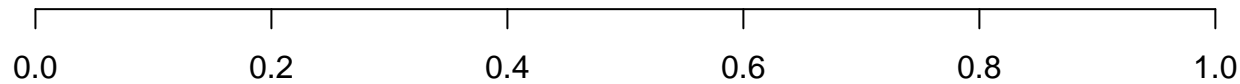


MS fraction

Glyox



sim



MS fraction

Mal



MS fraction

MEETHF



sim



0.0

0.2

0.4

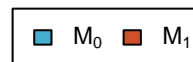
0.6

0.8

1.0

MS fraction

METHF



sim



MS fraction

OAC

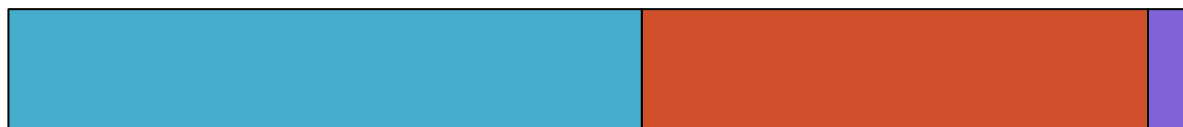


MS fraction

PEP



sim



MS fraction

Pro



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Pyr



sim



0.0

0.2

0.4

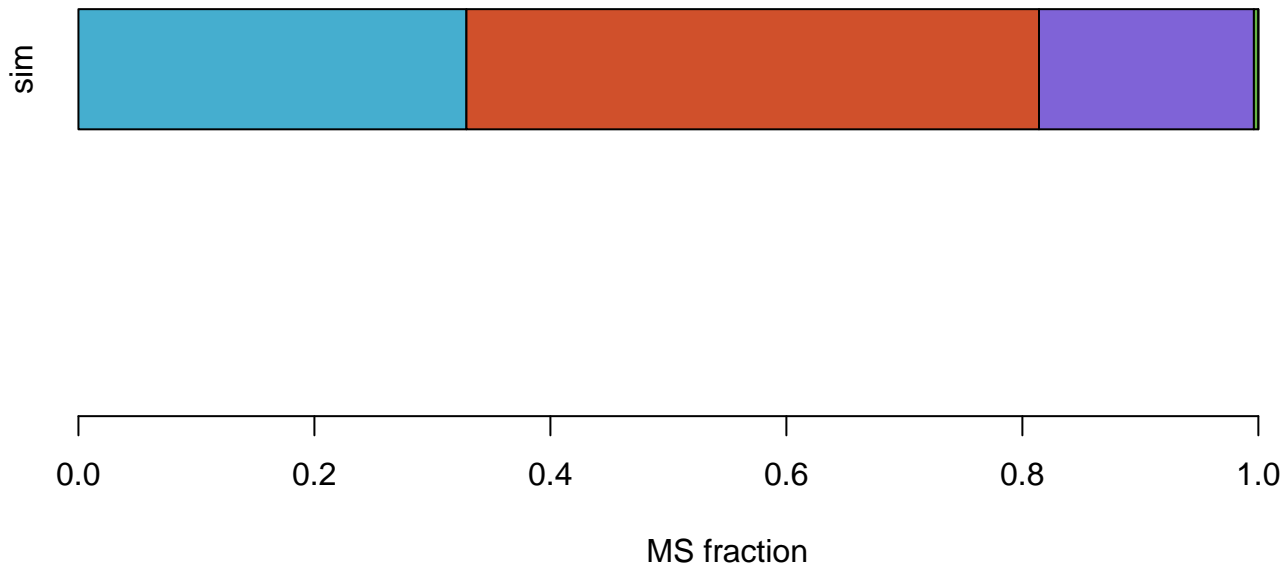
0.6

0.8

1.0

MS fraction

Suc



SucCoA



MS fraction

TA-C3



MS fraction

Thr



sim



MS fraction

TK-C2



sim



MS fraction