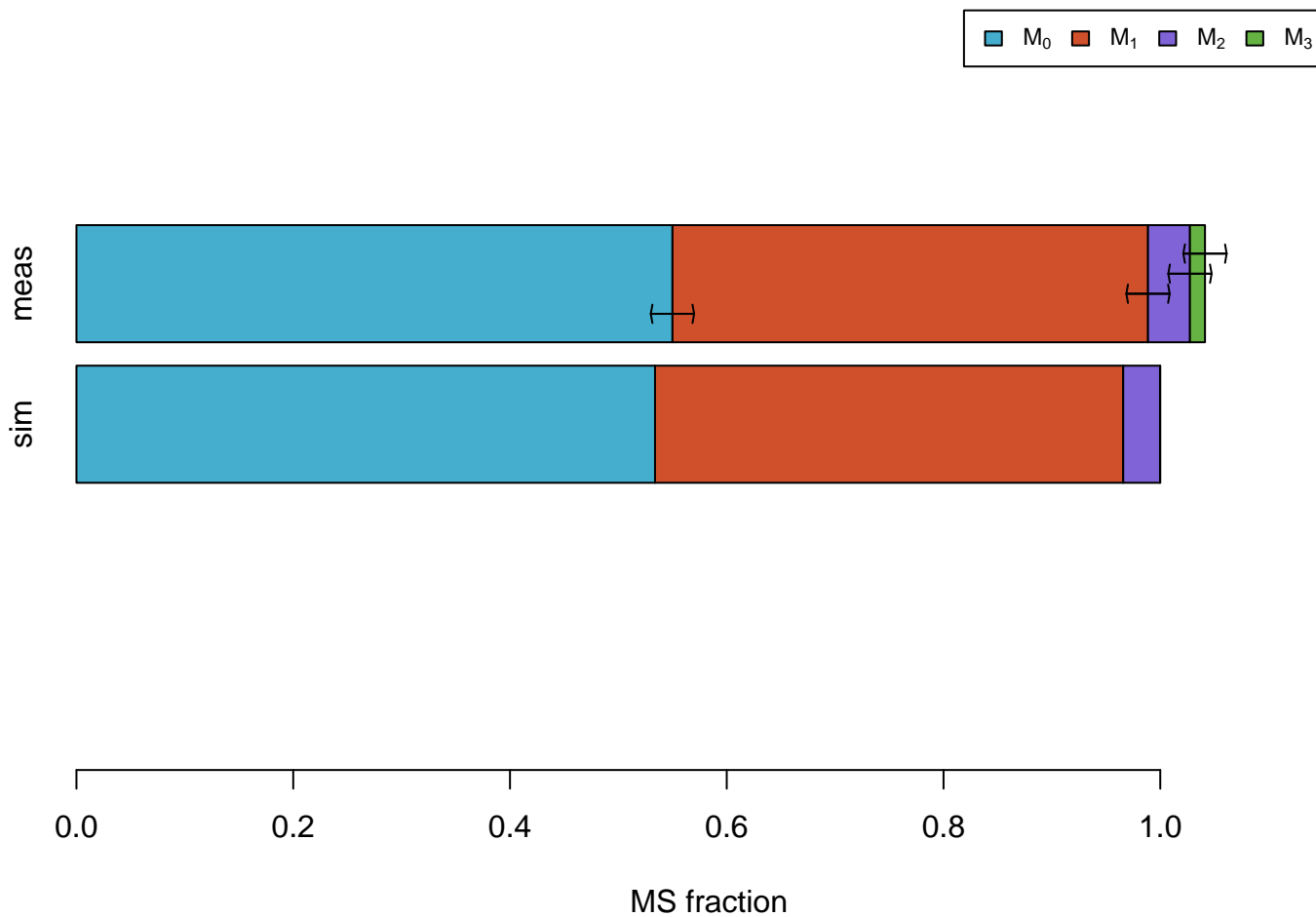
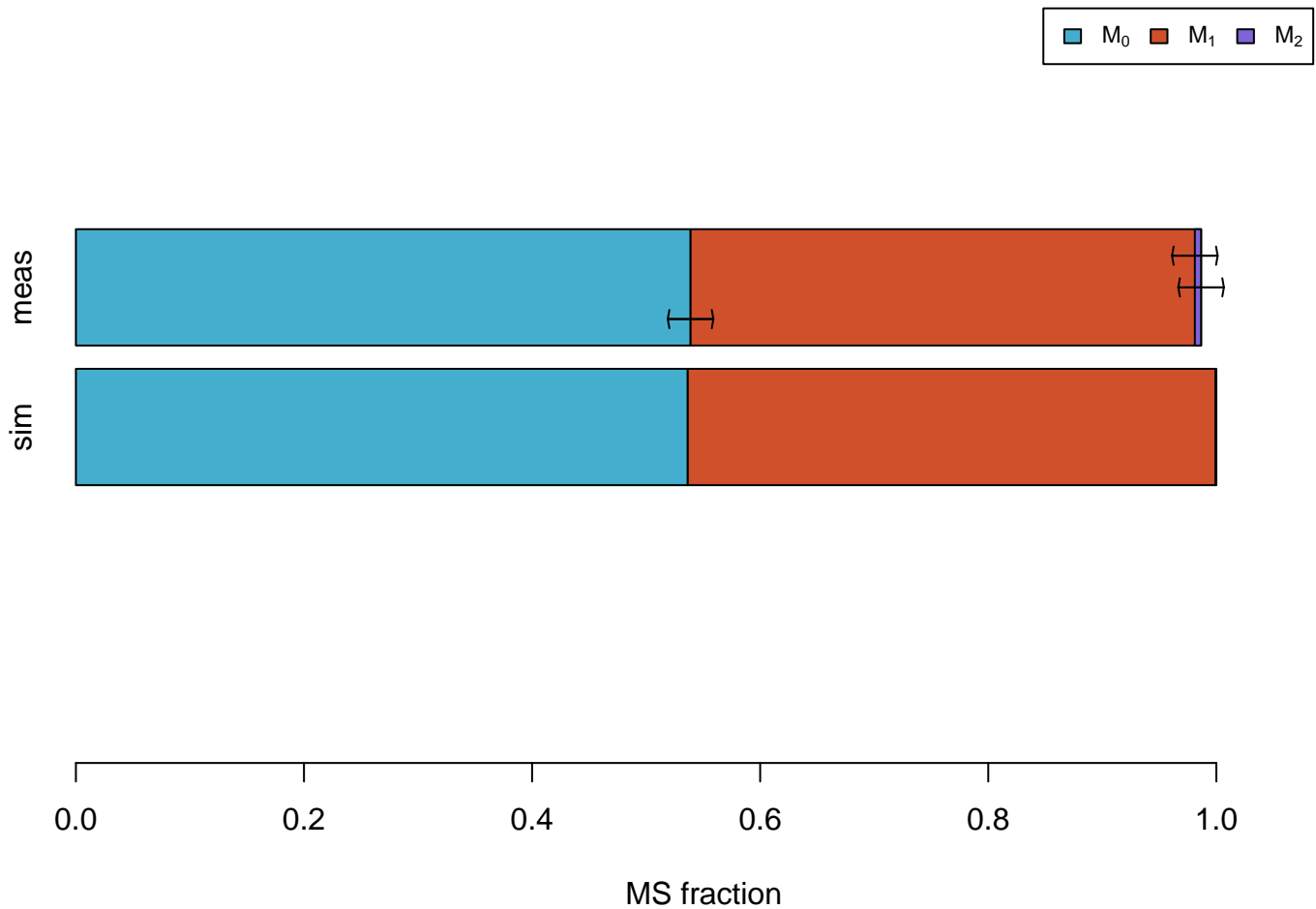


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

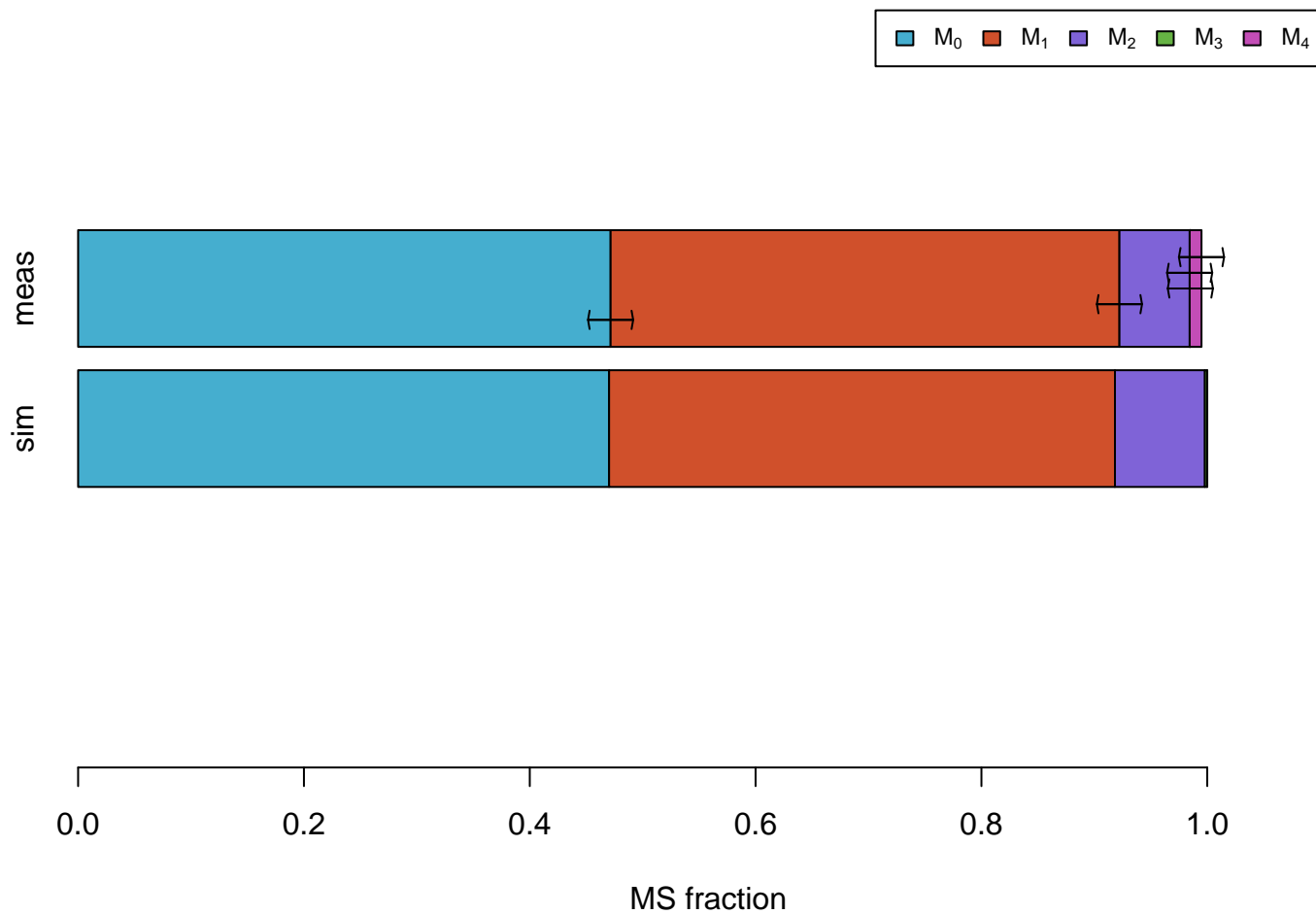
Ala



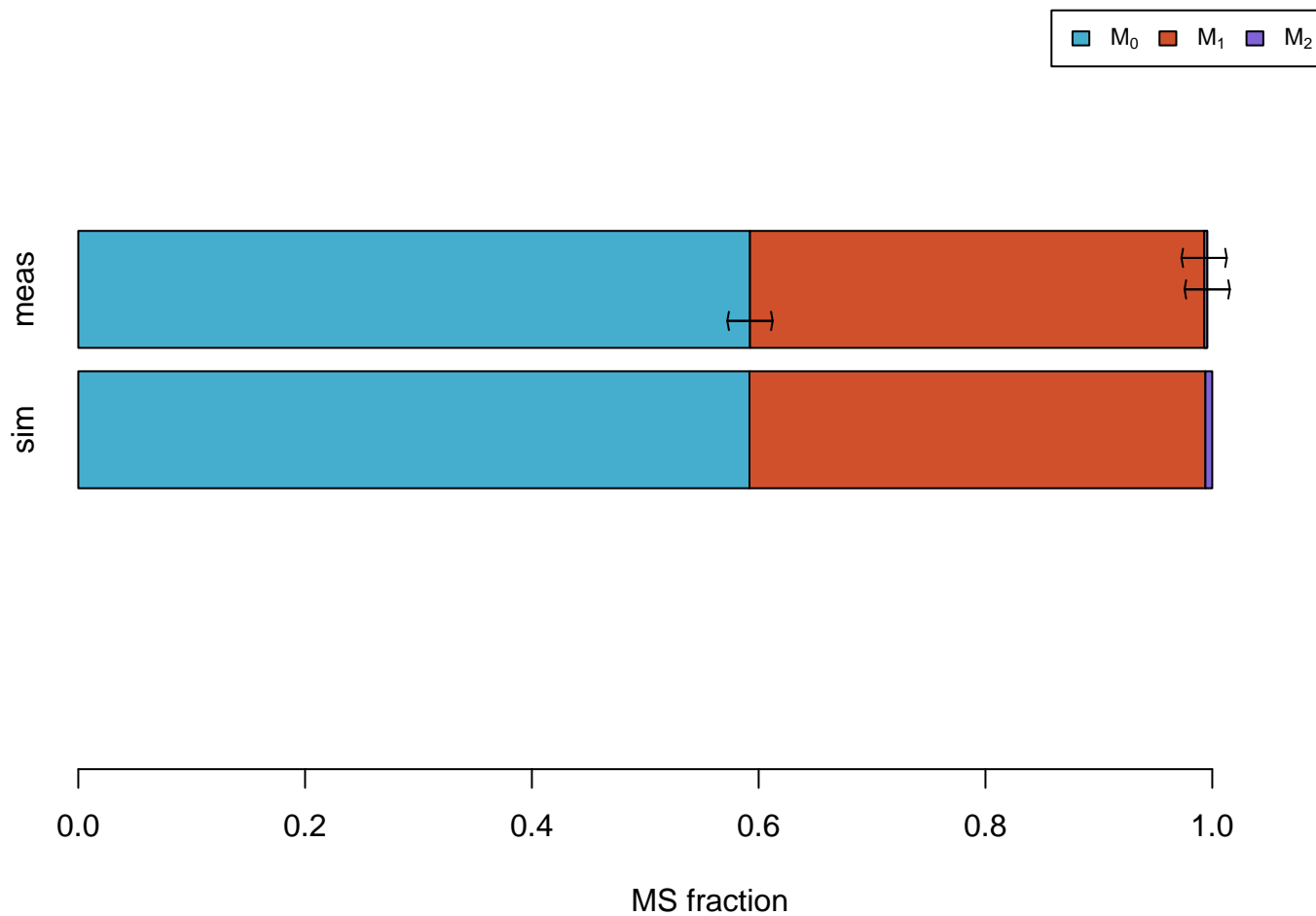
Ala #011



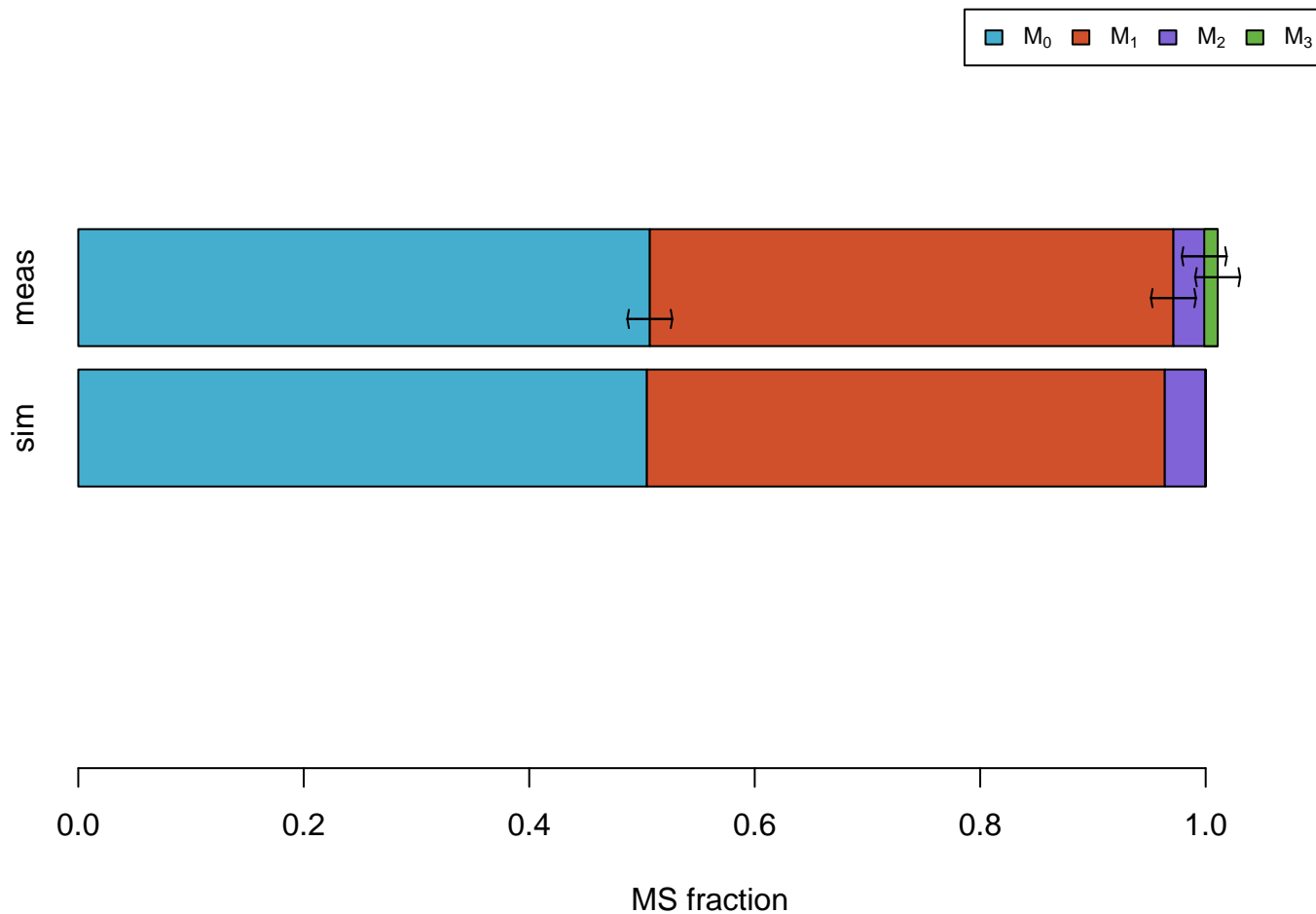
Asp



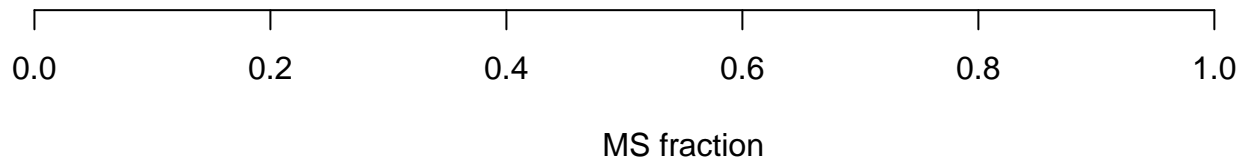
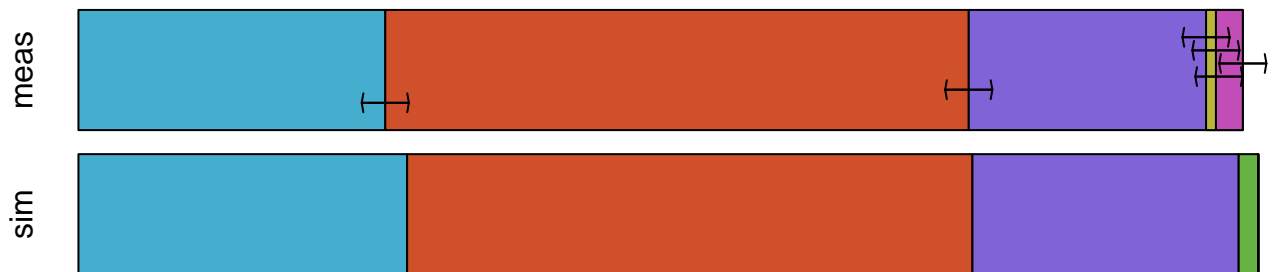
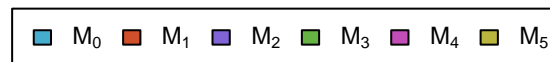
Asp #1100



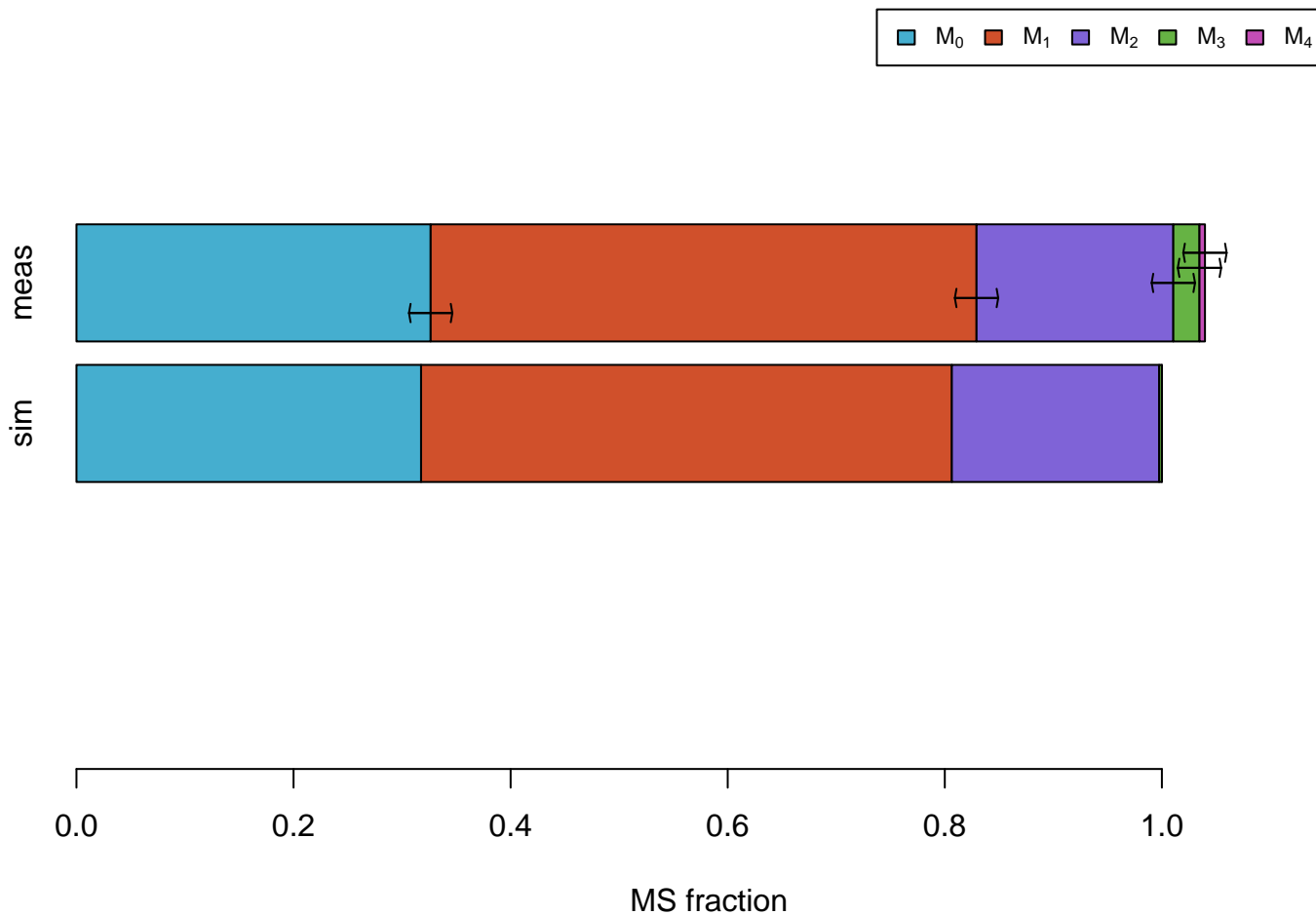
Asp #0111



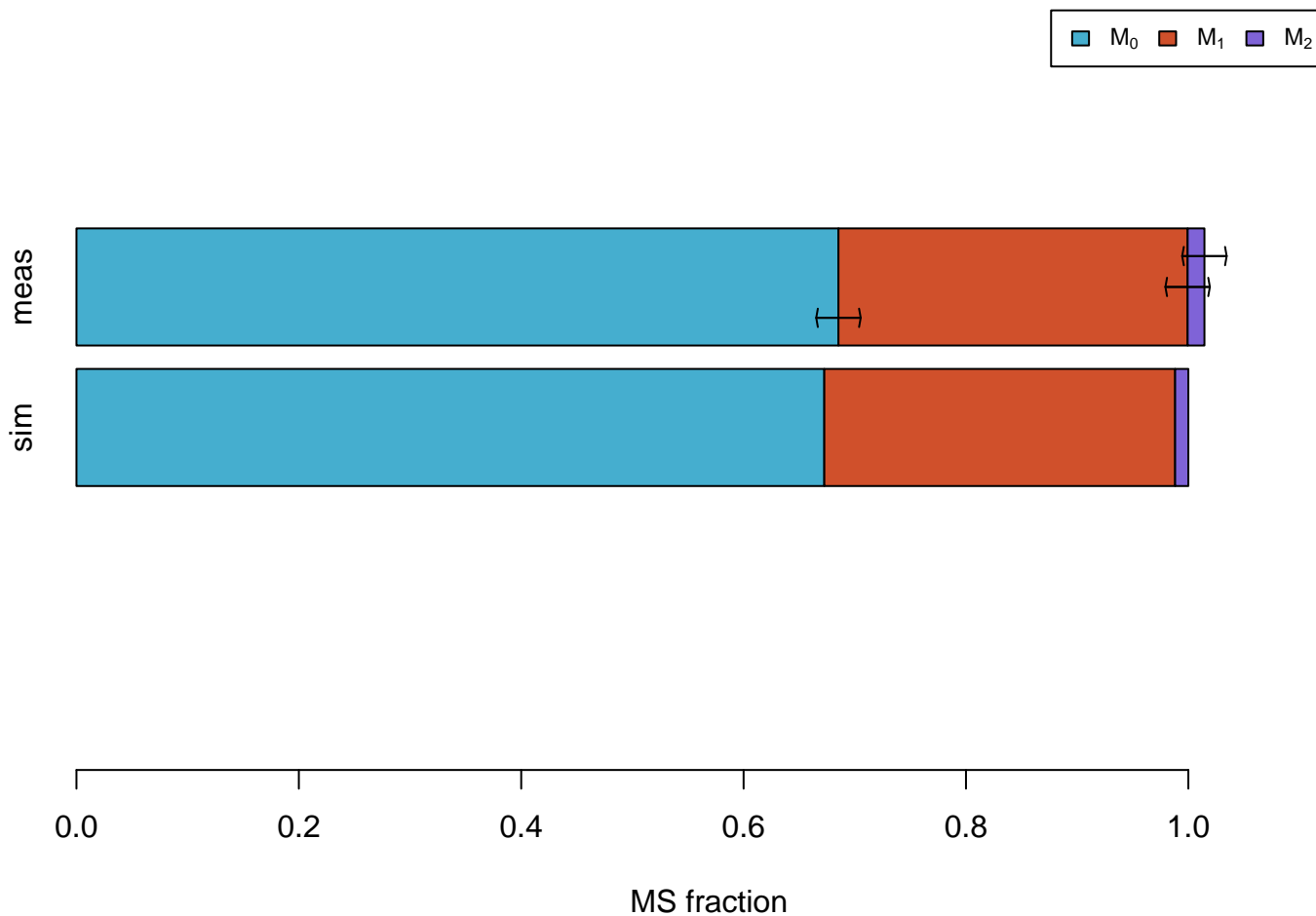
Glu



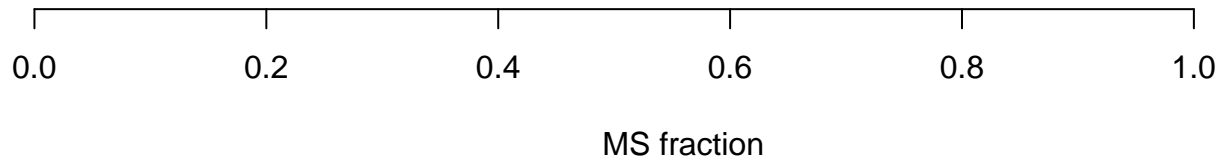
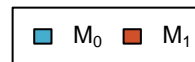
Glu #01111



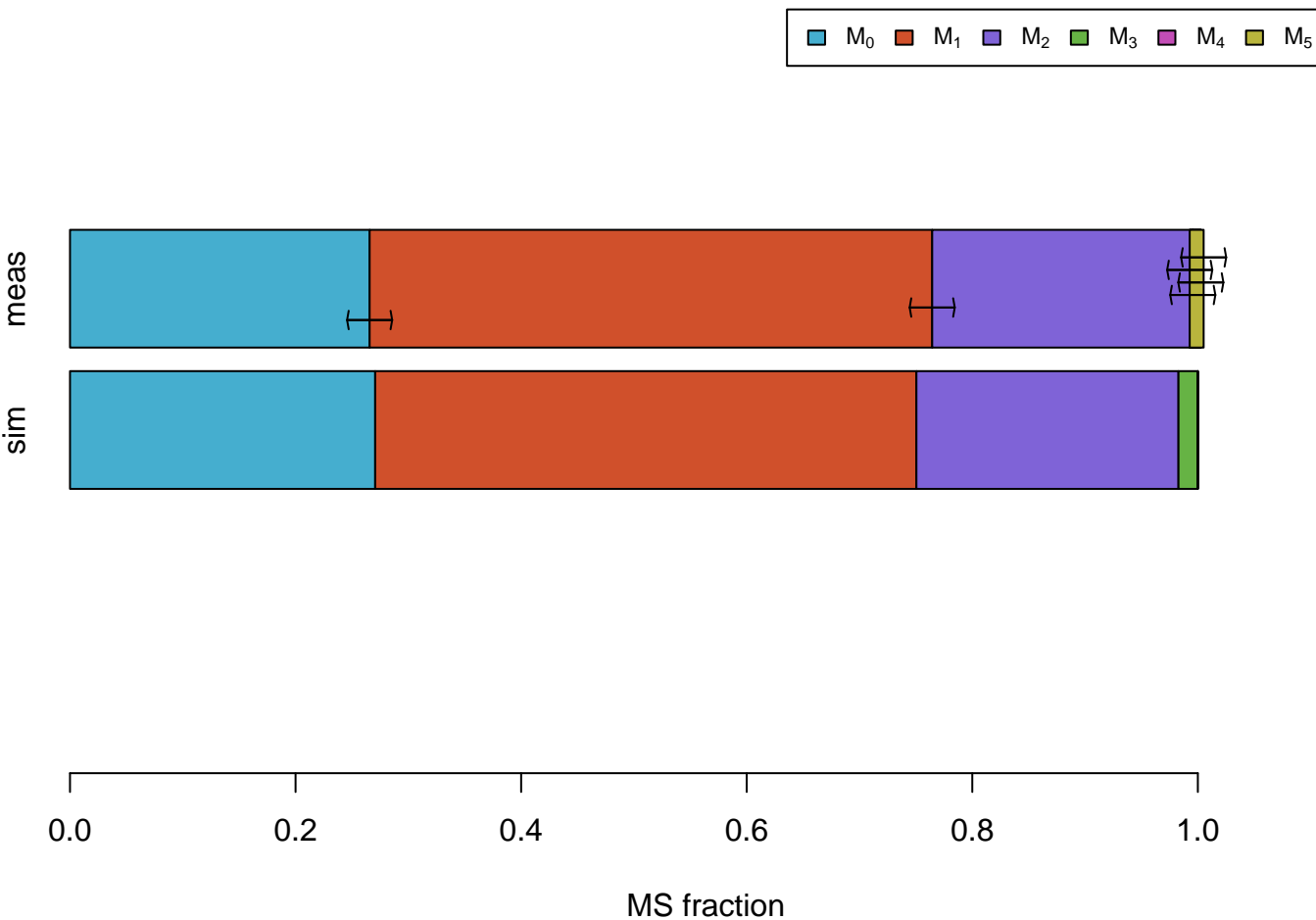
Gly



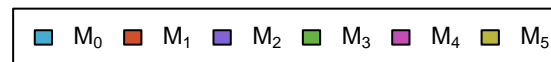
Gly #01



Ile #011111

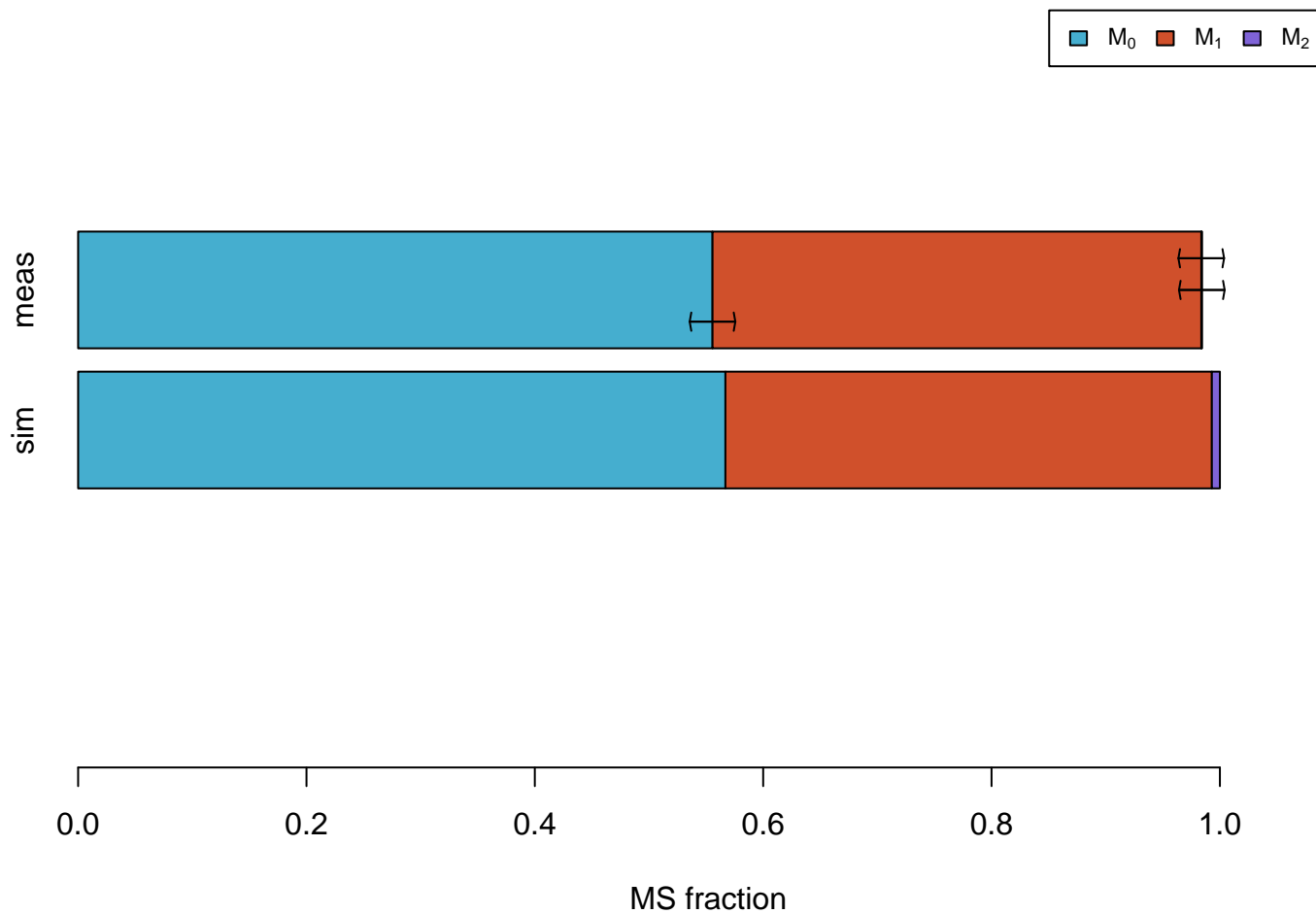


Leu #011111

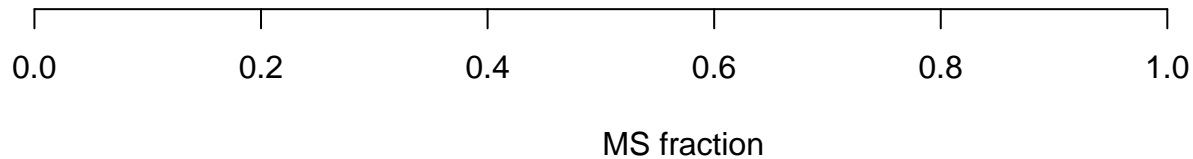
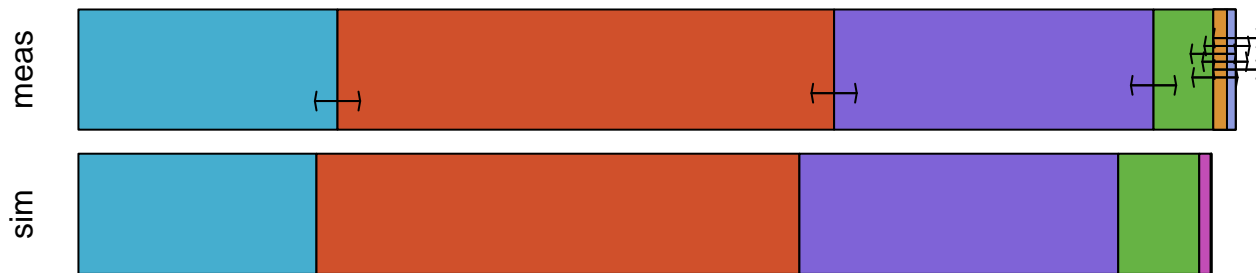


MS fraction

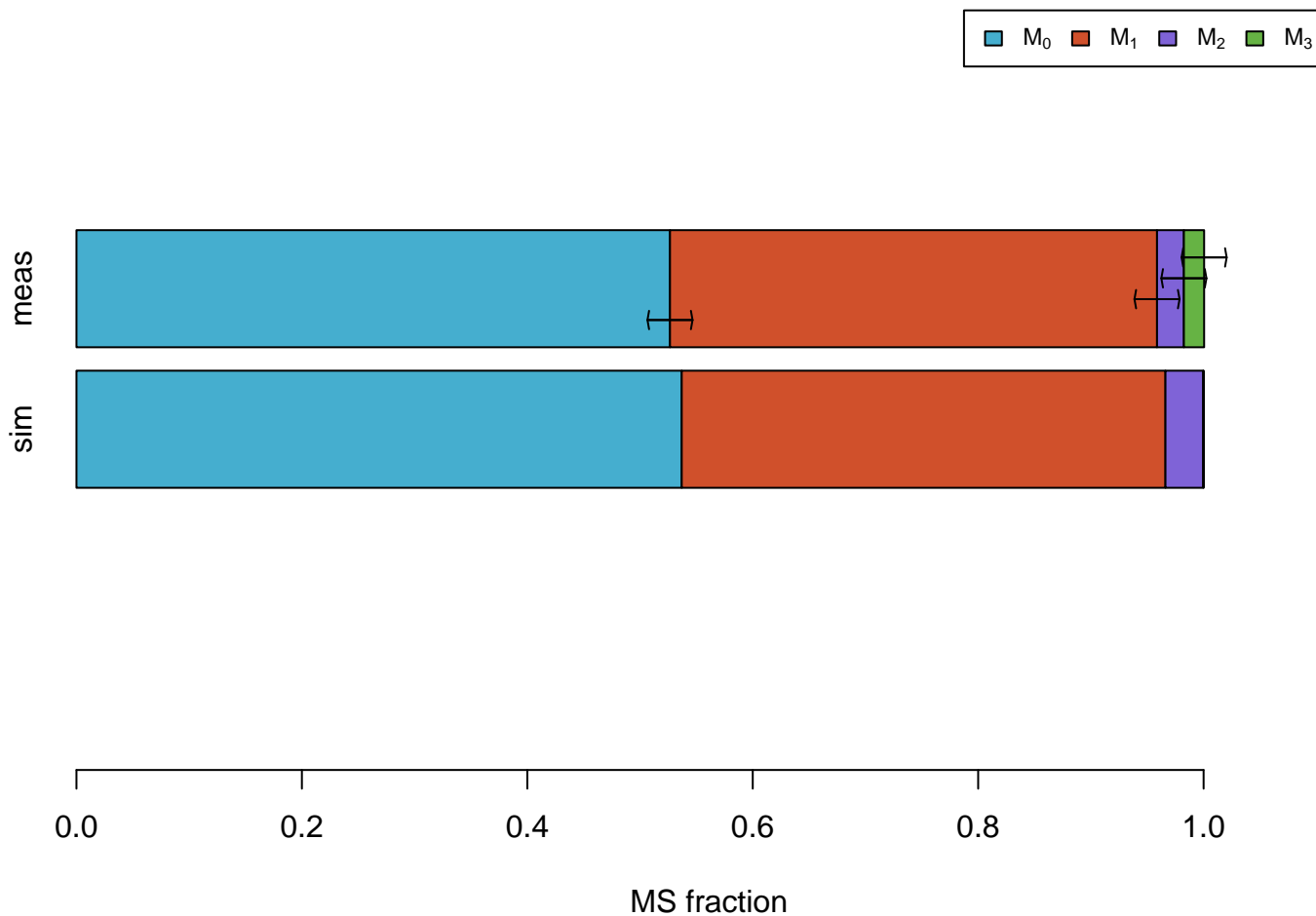
Phe #110000000



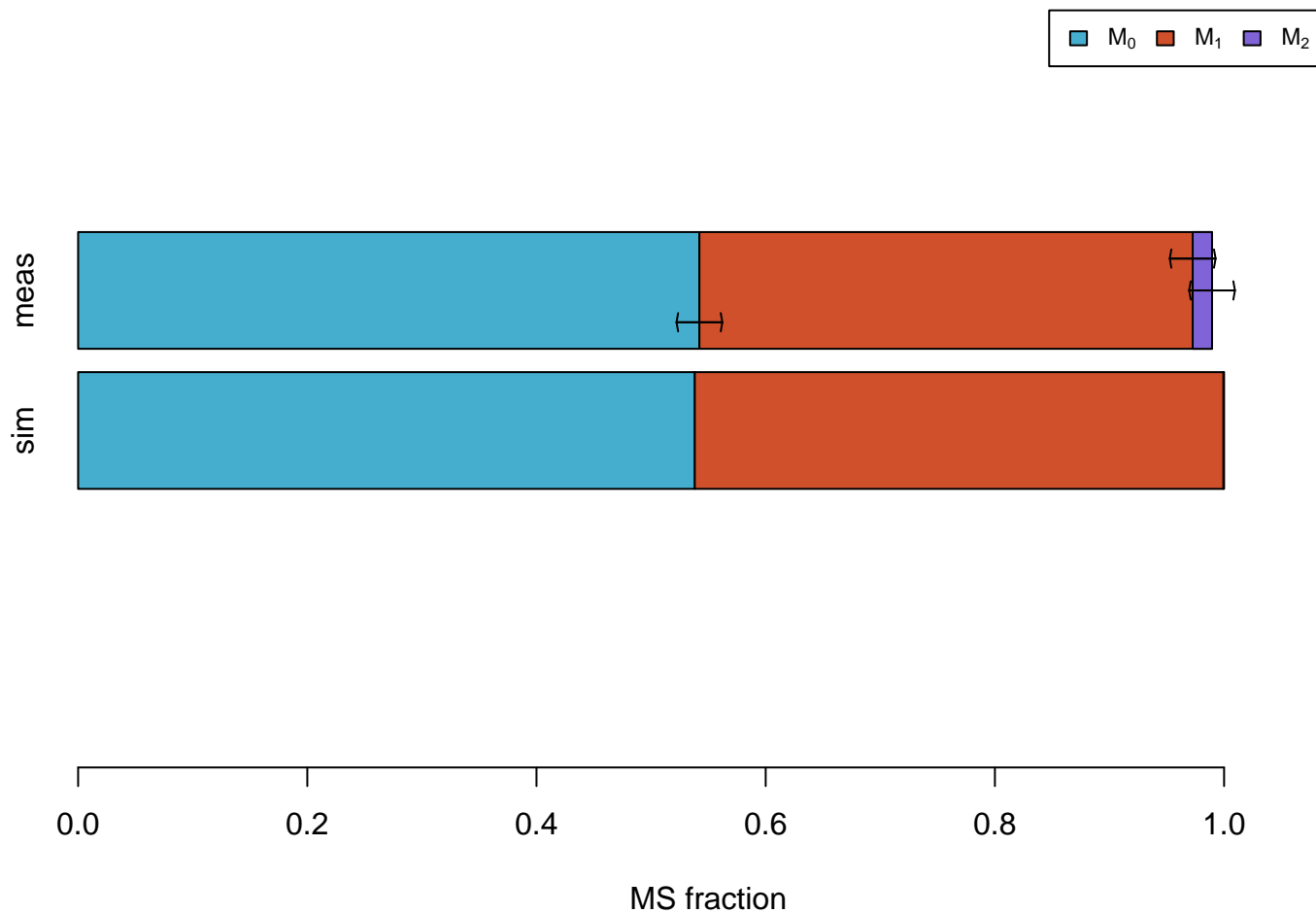
Phe #011111111



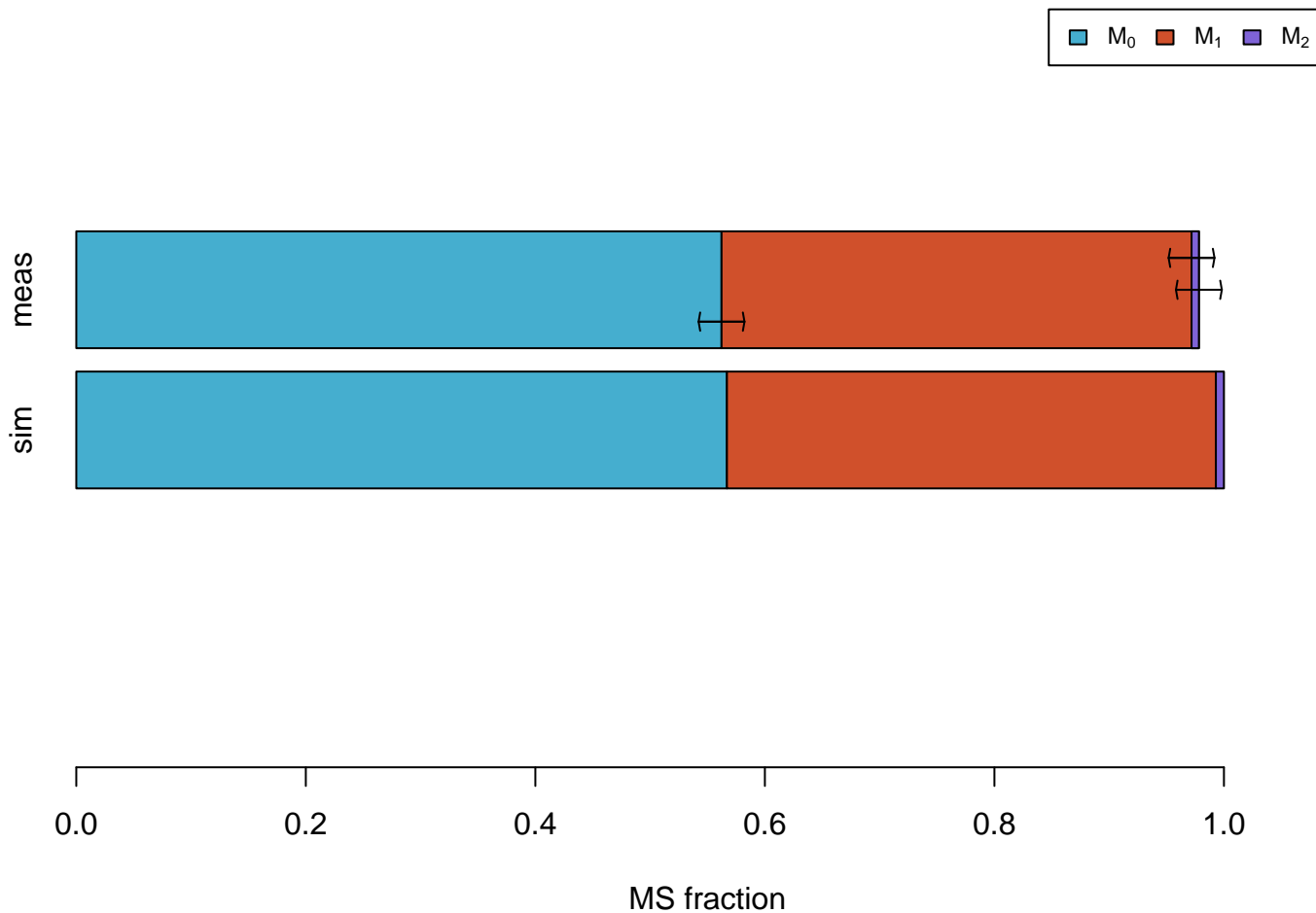
Ser



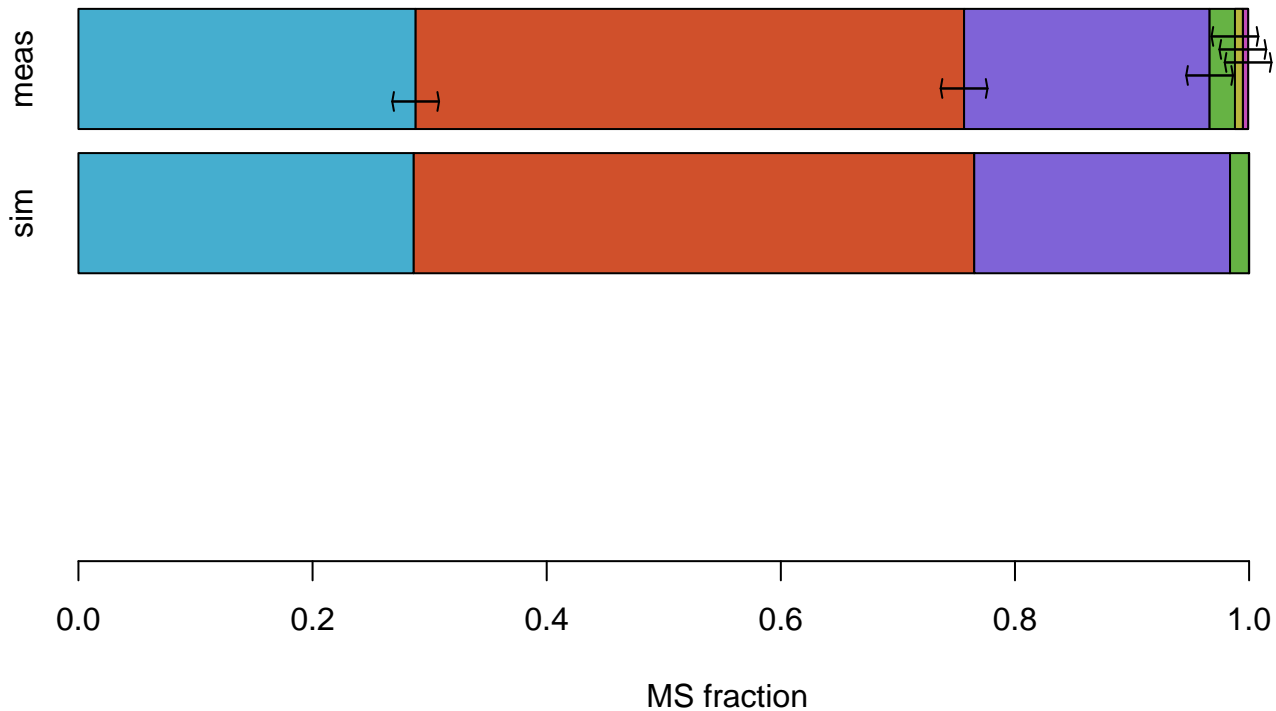
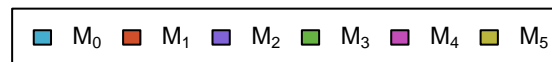
Ser #011



Tyr #110000000



Val



Val #01111



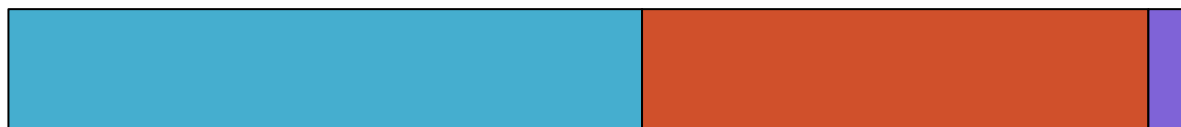
MS fraction

MS simulations

3PG



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Ac



sim



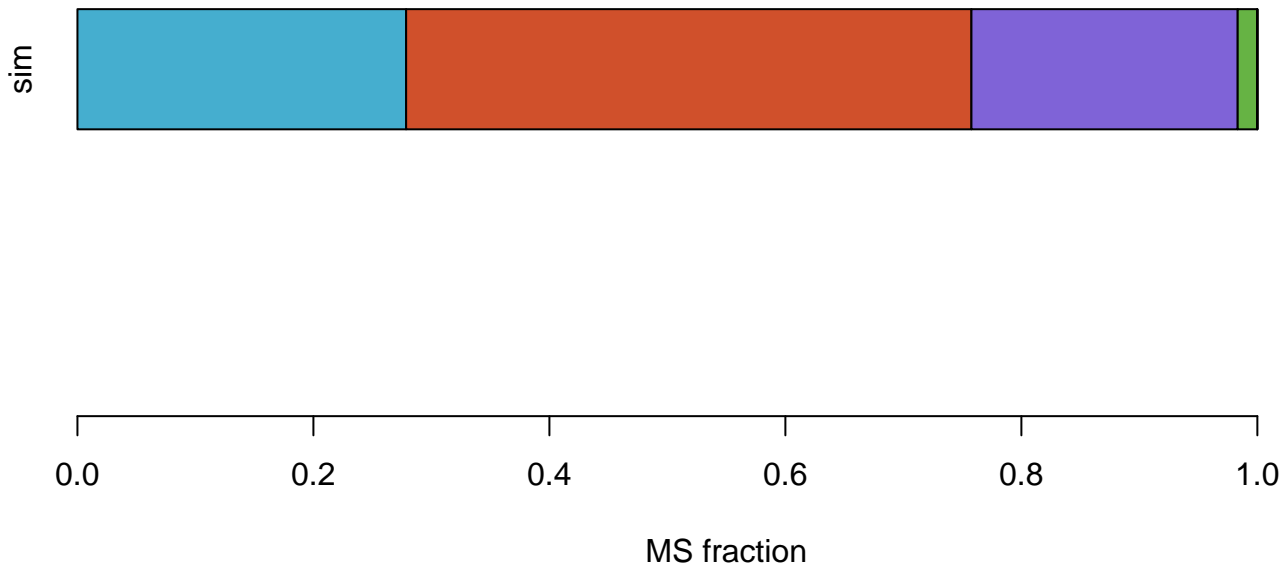
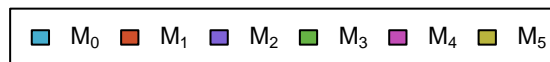
MS fraction

AcCoA



MS fraction

AKG



Asn



MS fraction

CO2



sim

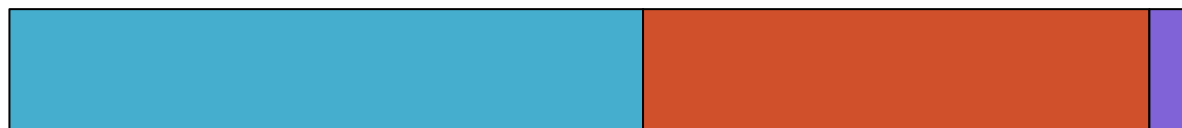


MS fraction

Cys



sim



MS fraction

DHAP



MS fraction

E4P



sim



MS fraction

FTHF



sim



MS fraction

Fum



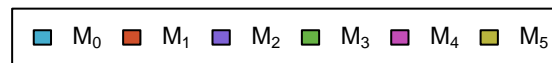
MS fraction

GAP



MS fraction

Gln



MS fraction

Glyox

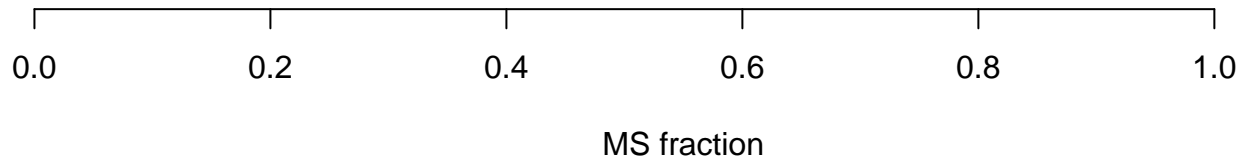


sim



MS fraction

Mal



MEETHF

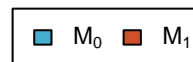


sim



MS fraction

METHF



sim



MS fraction

OAC



sim



MS fraction

PEP



sim



0.0

0.2

0.4

0.6

0.8

1.0

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



MS fraction

SucCoA



MS fraction

TA-C3



MS fraction

Thr



sim



MS fraction

TK-C2



MS fraction