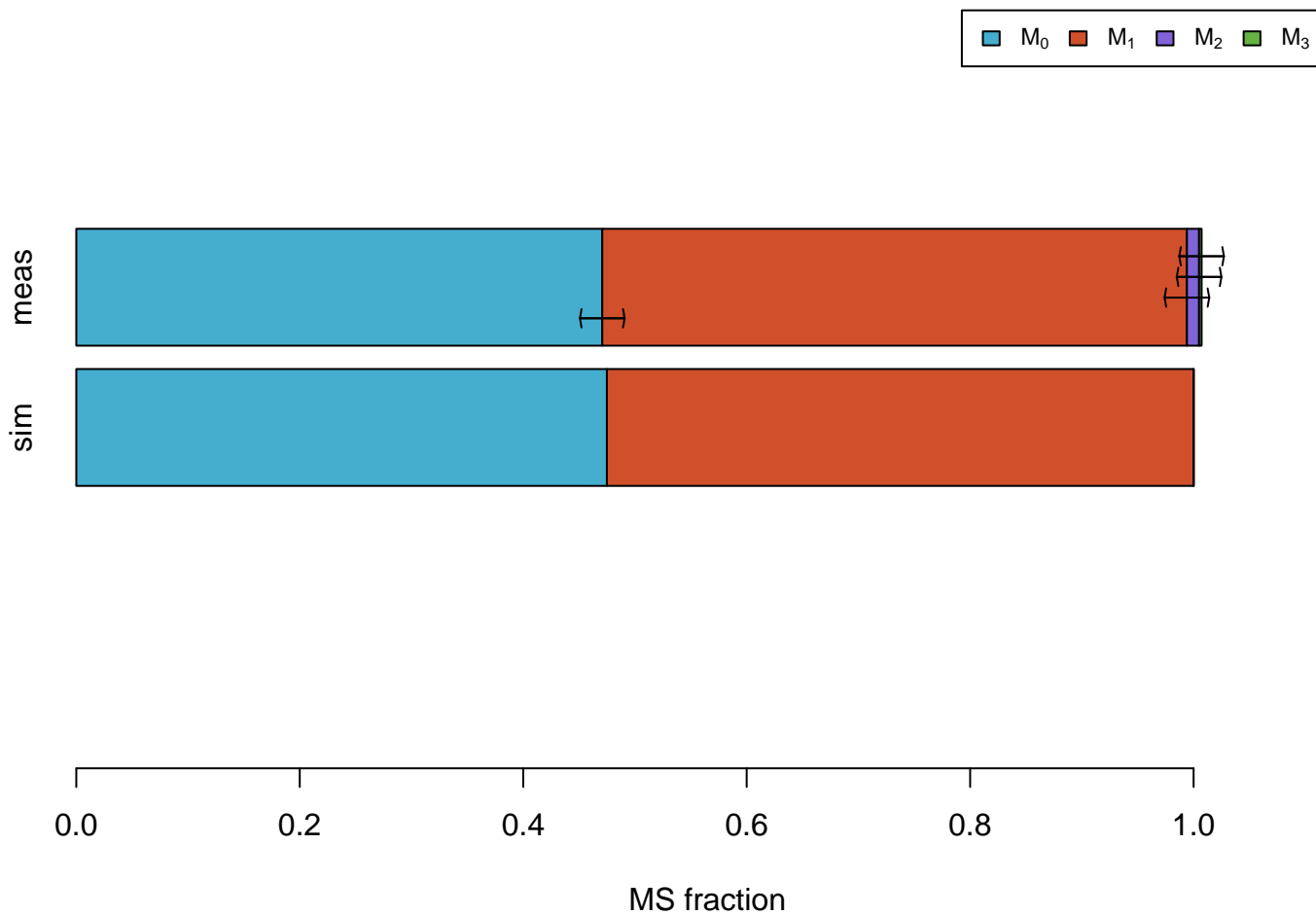
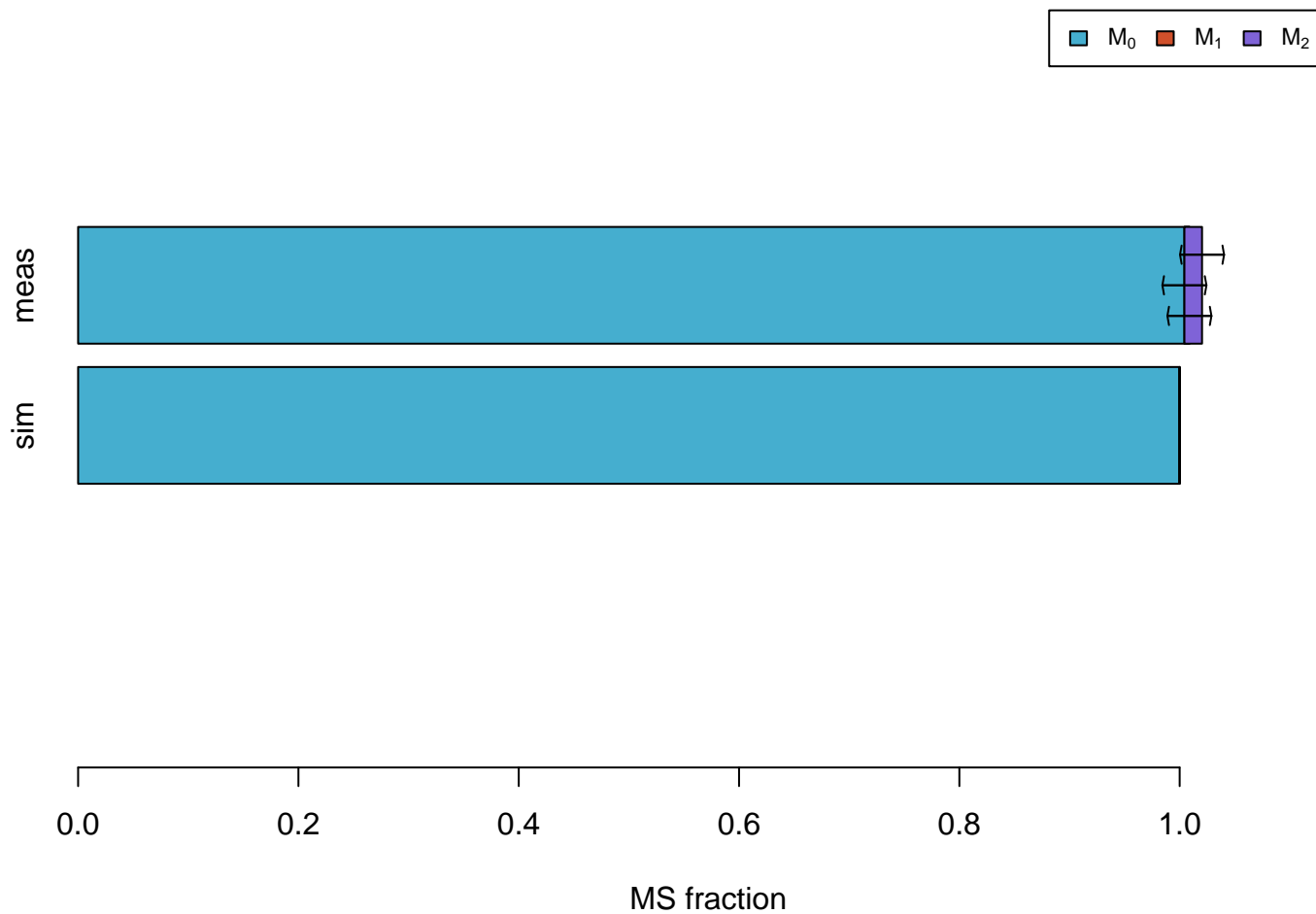


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

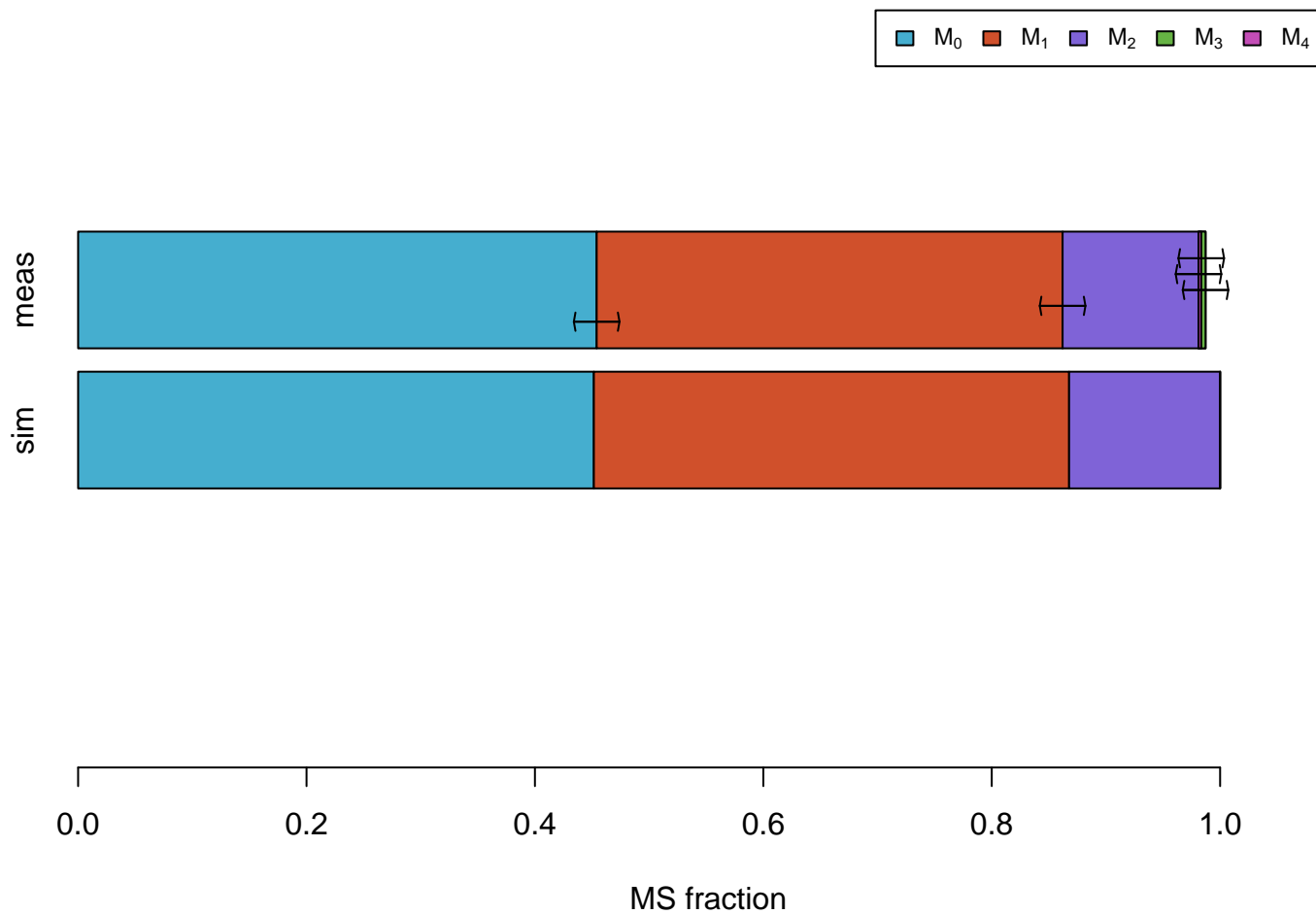
Ala



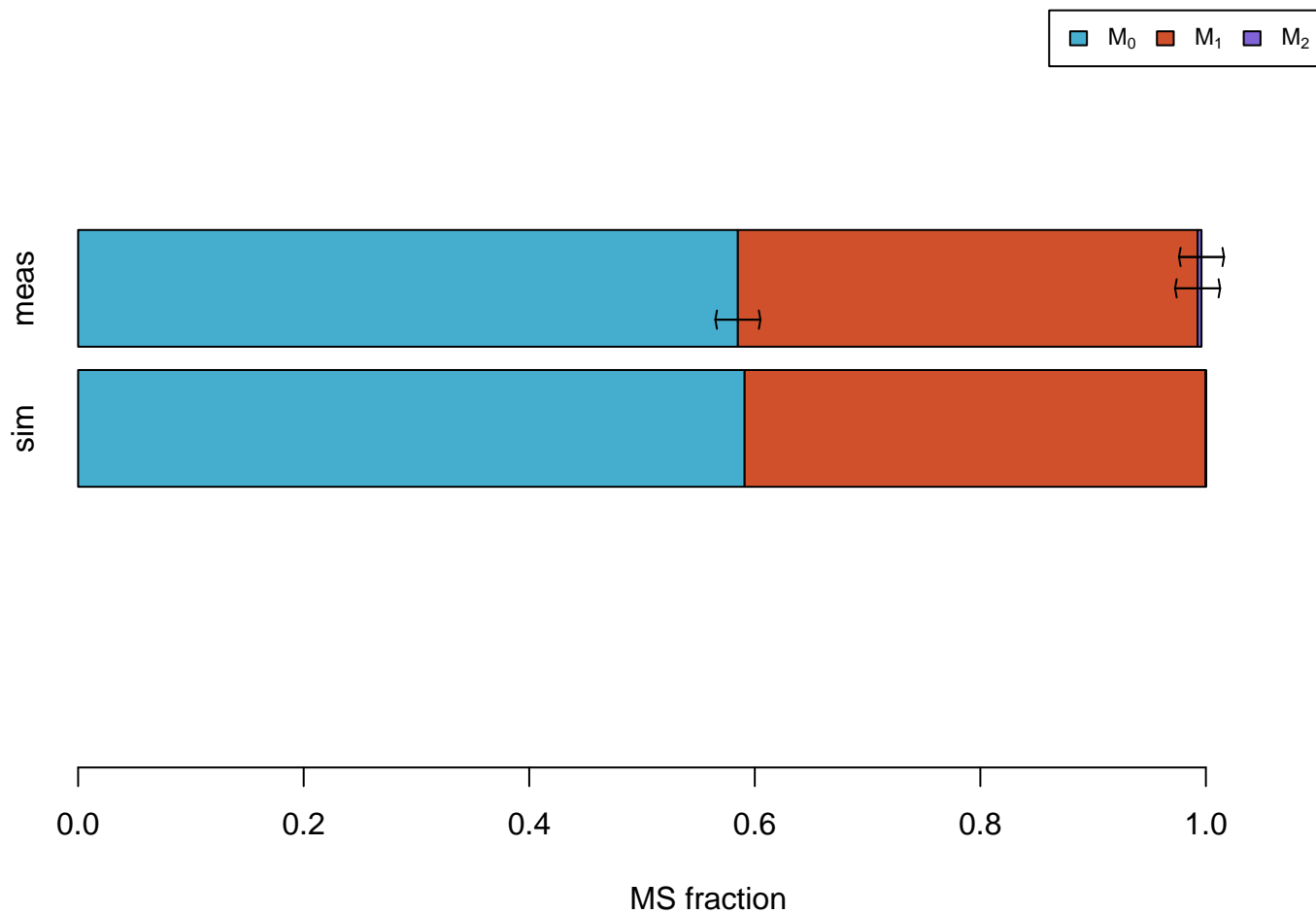
Ala #011



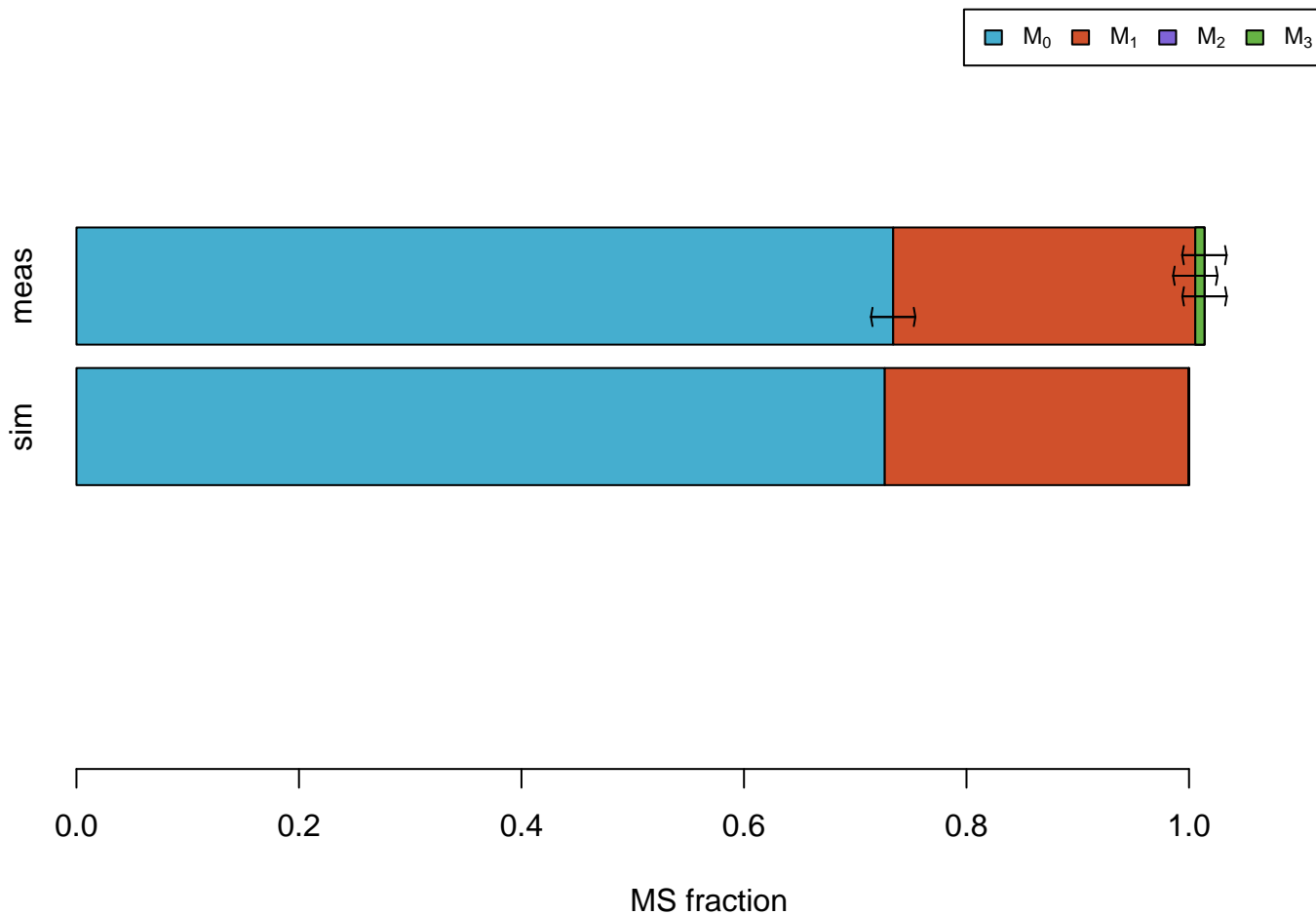
Asp



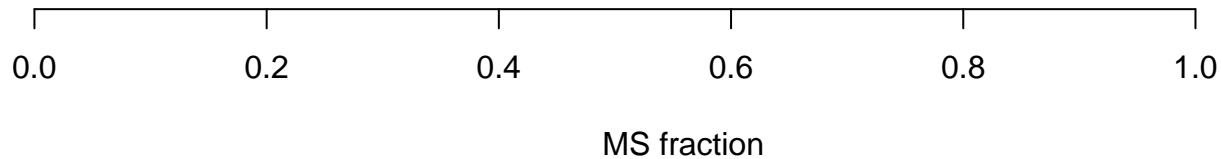
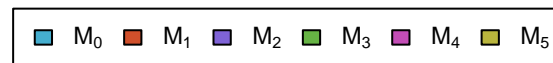
Asp #1100



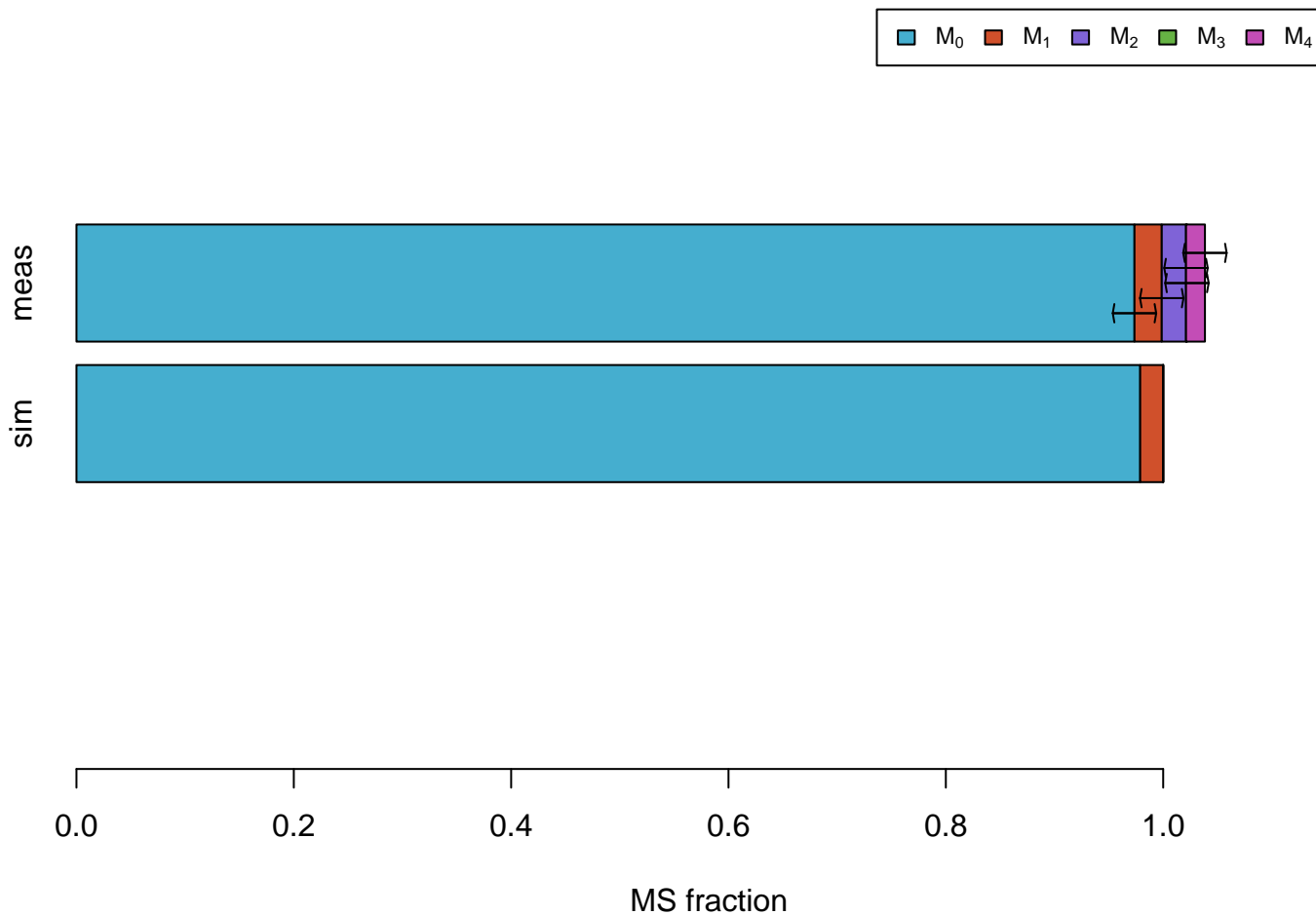
Asp #0111



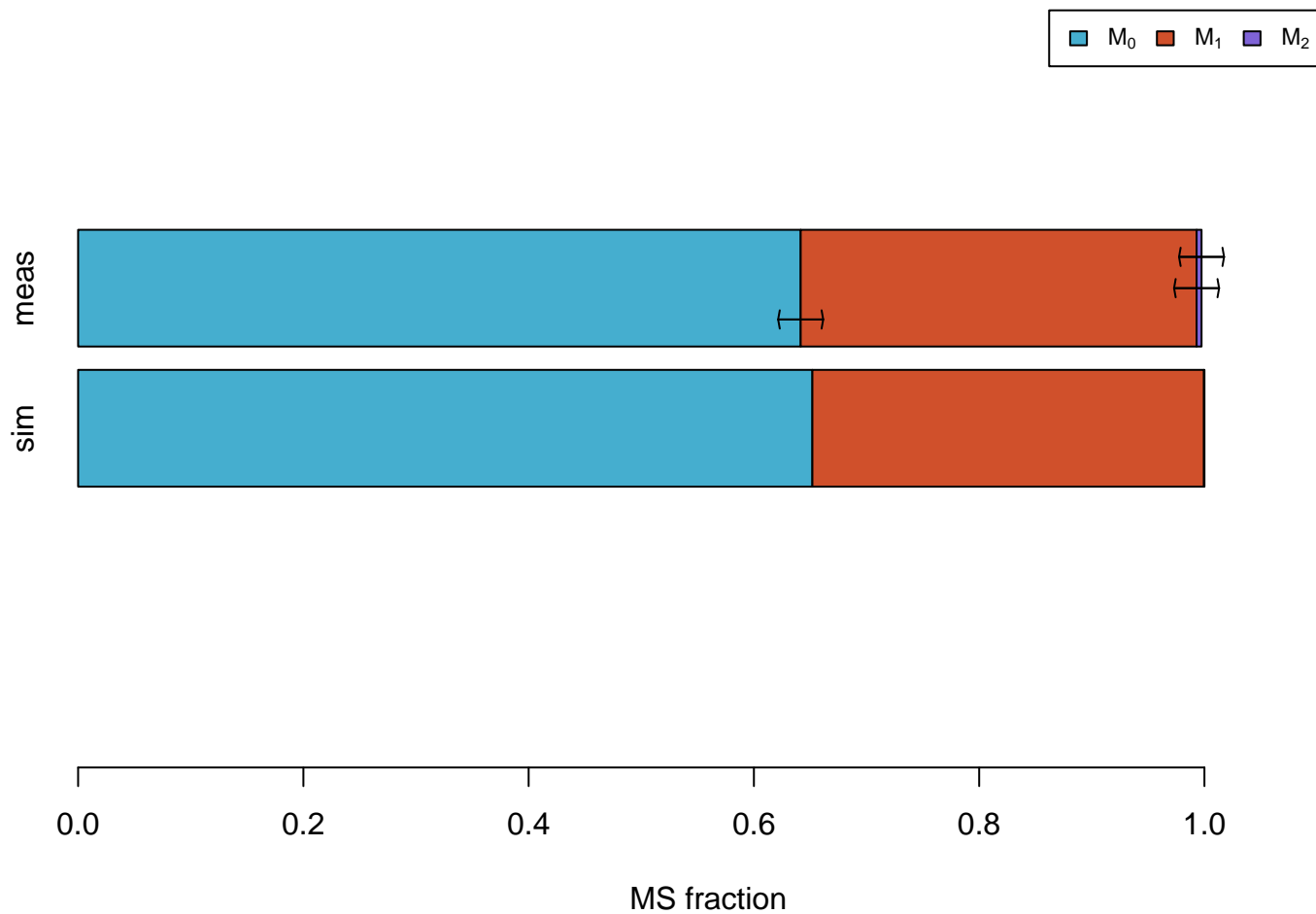
Glu



Glu #01111



Gly

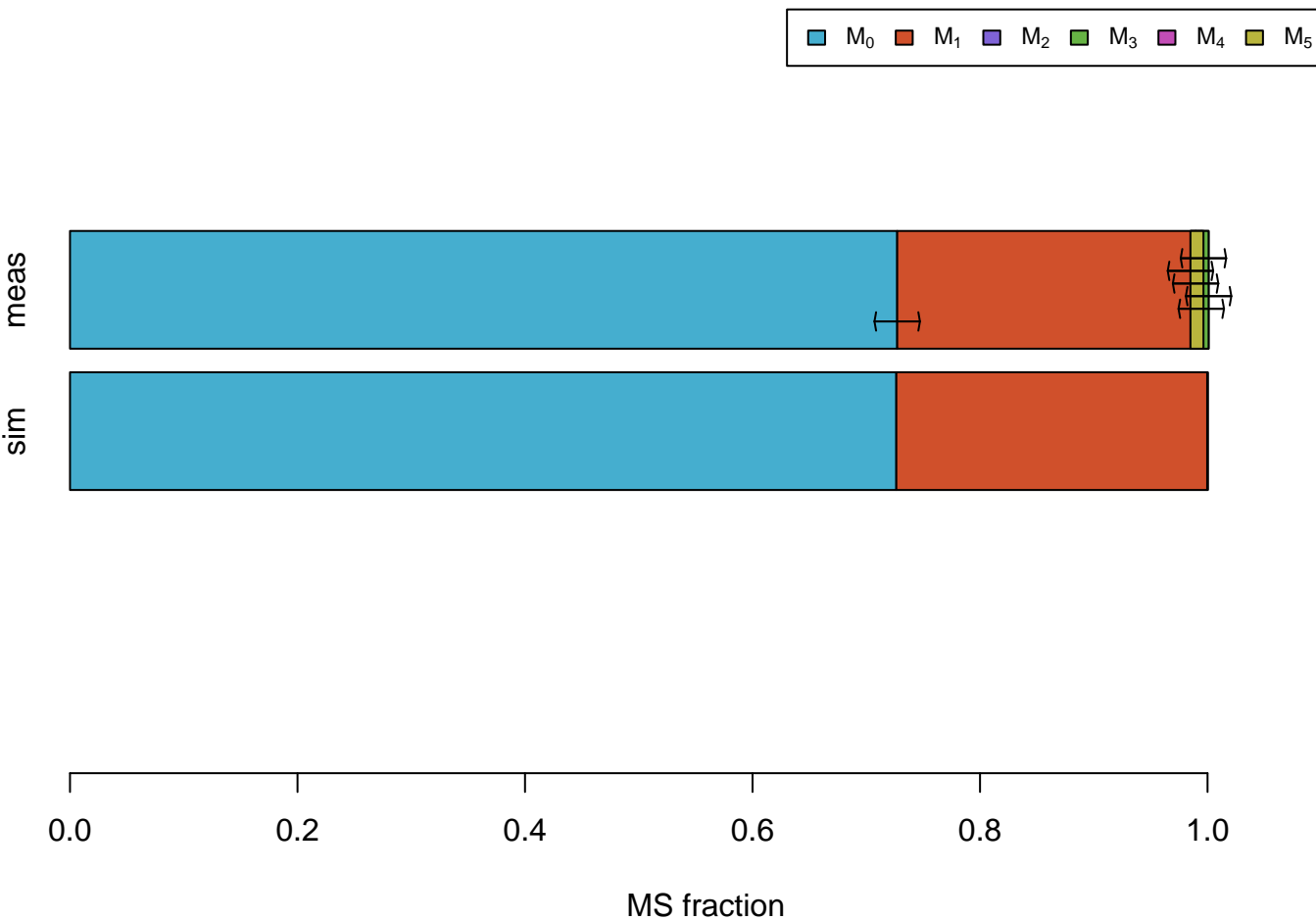


Gly #01

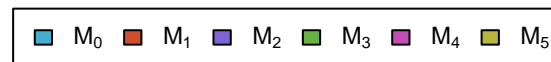


MS fraction

Ile #011111

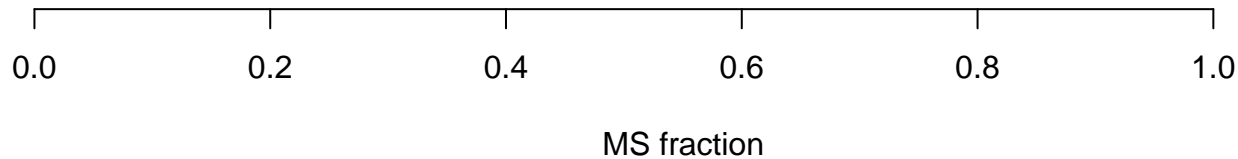


Leu #011111

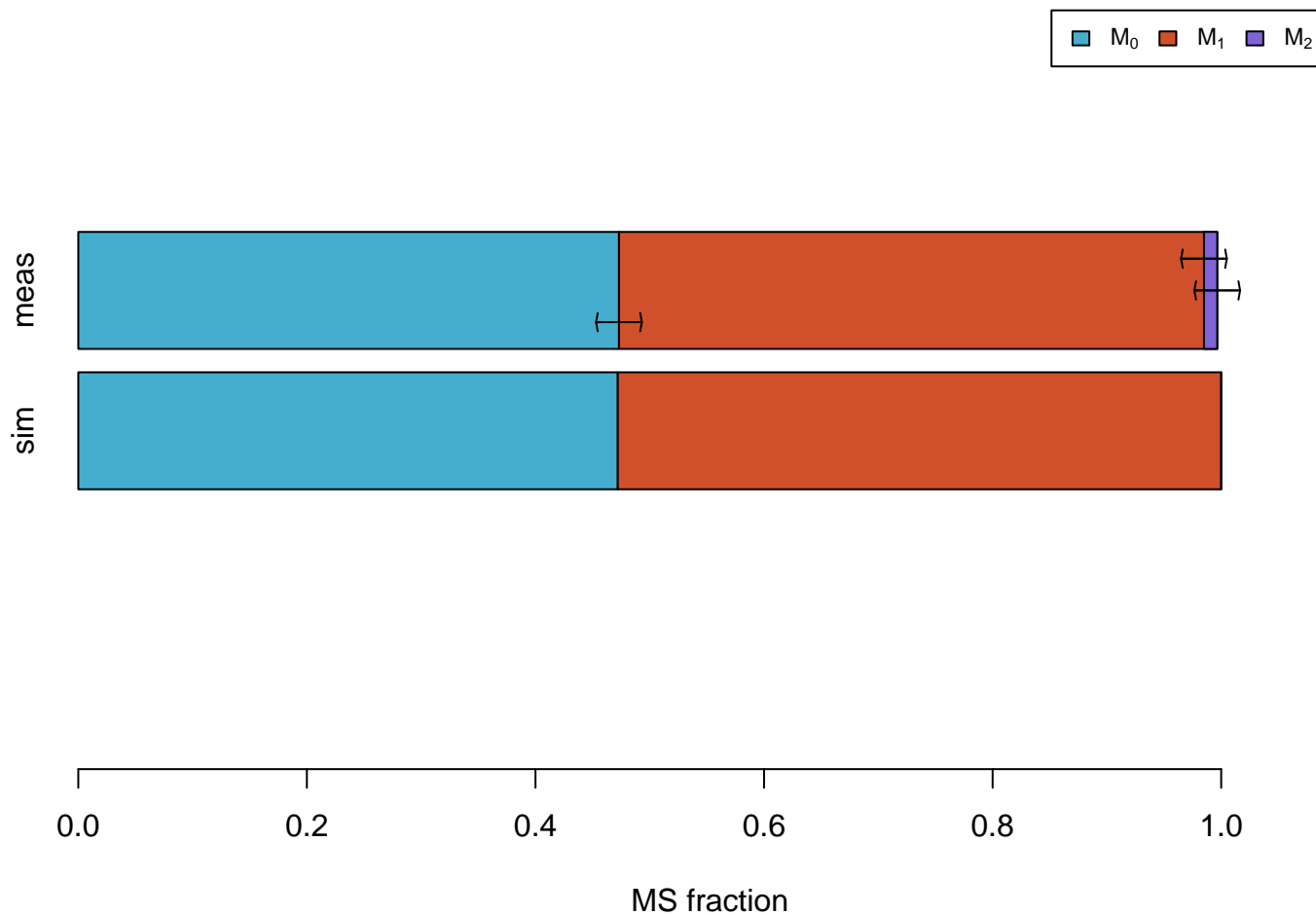


meas

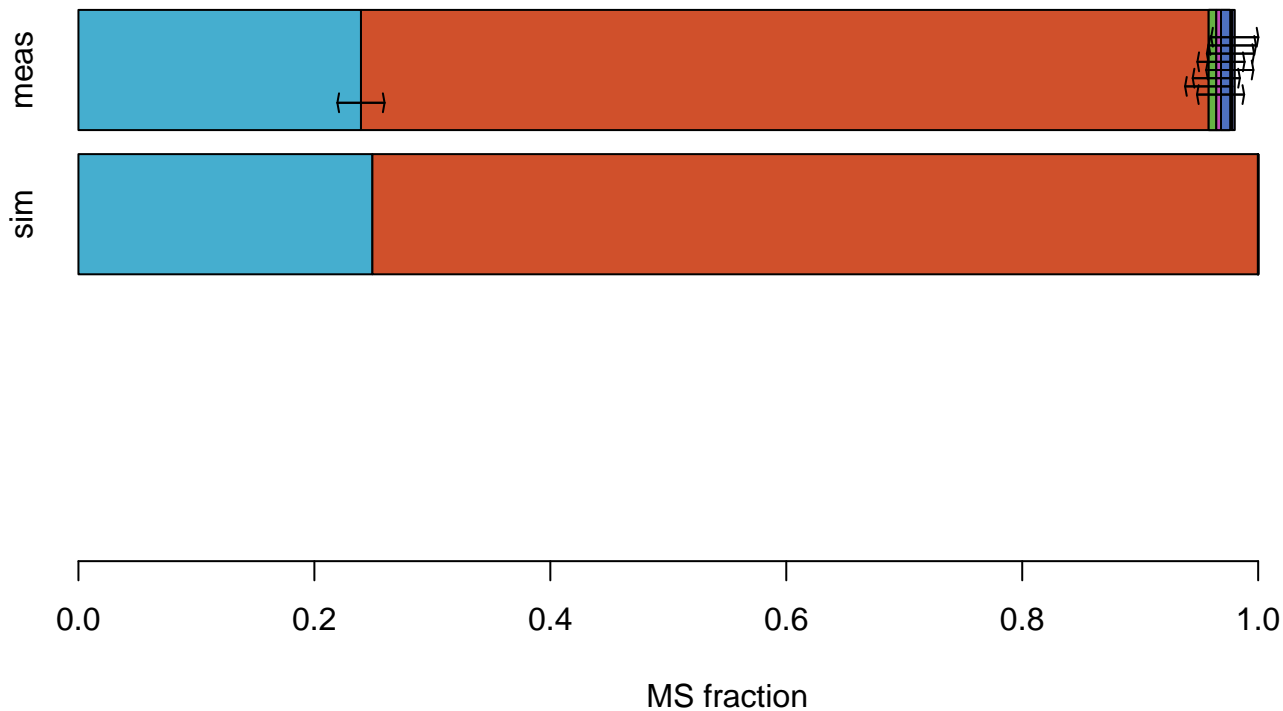
sim



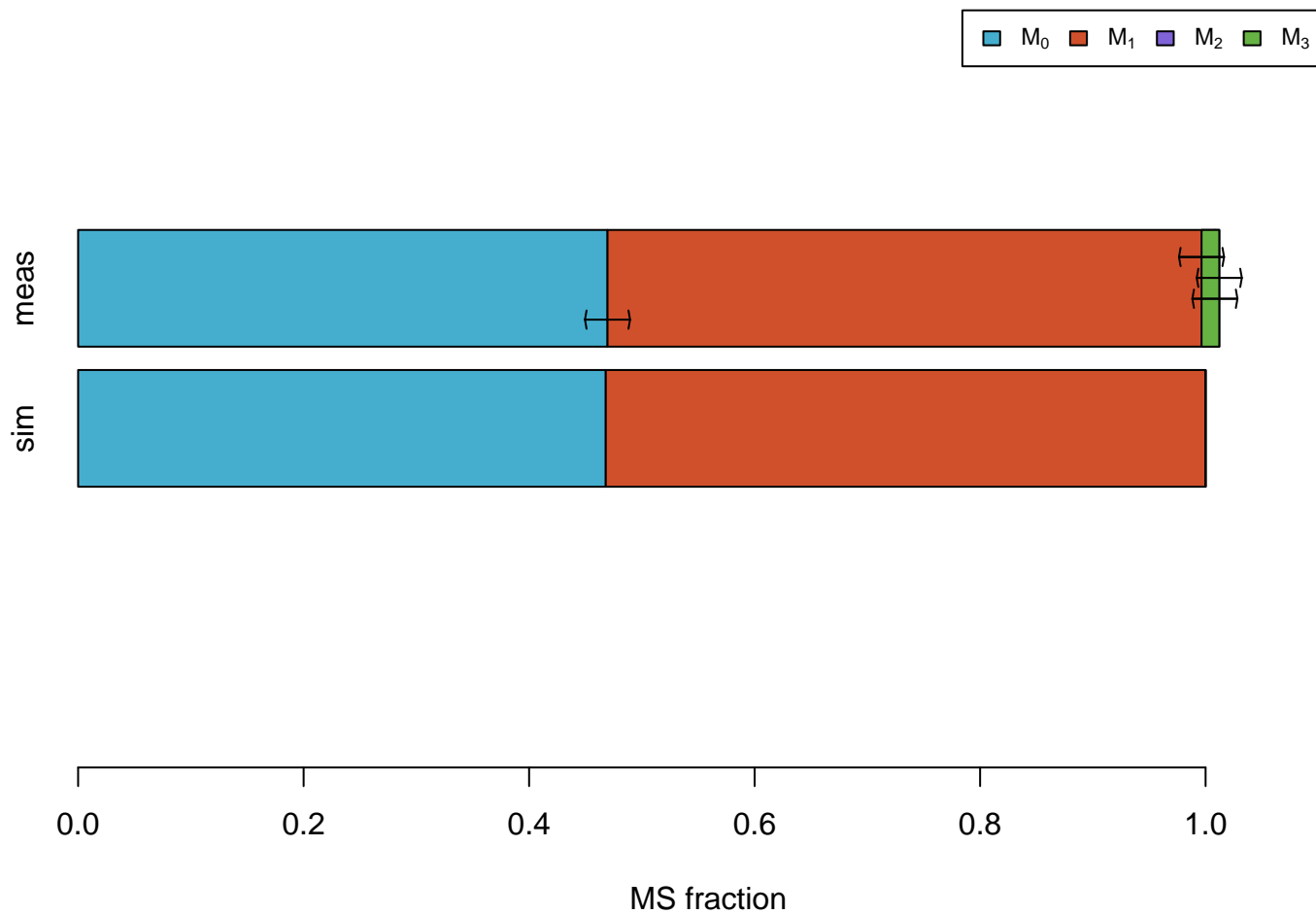
Phe #110000000



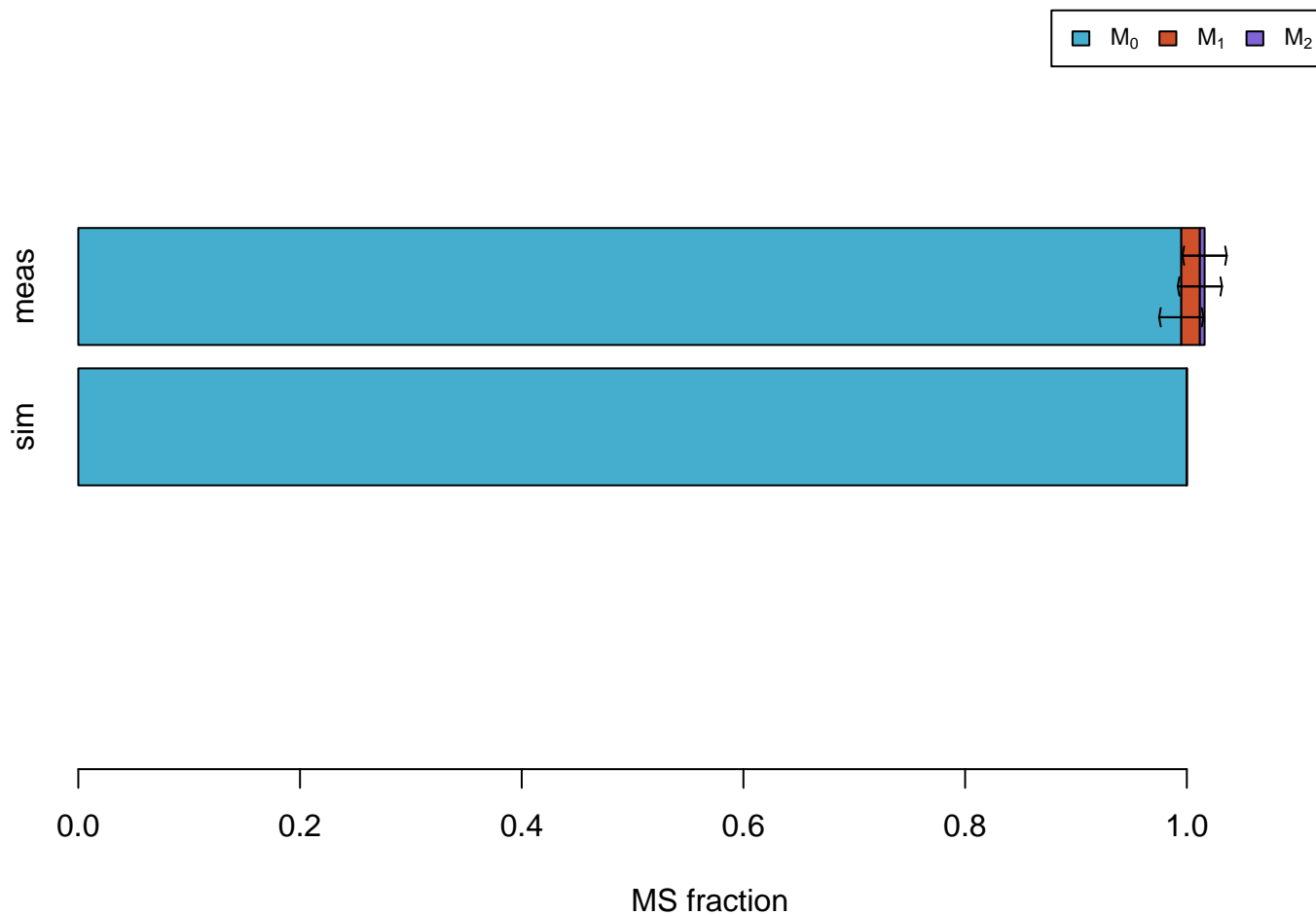
Phe #011111111



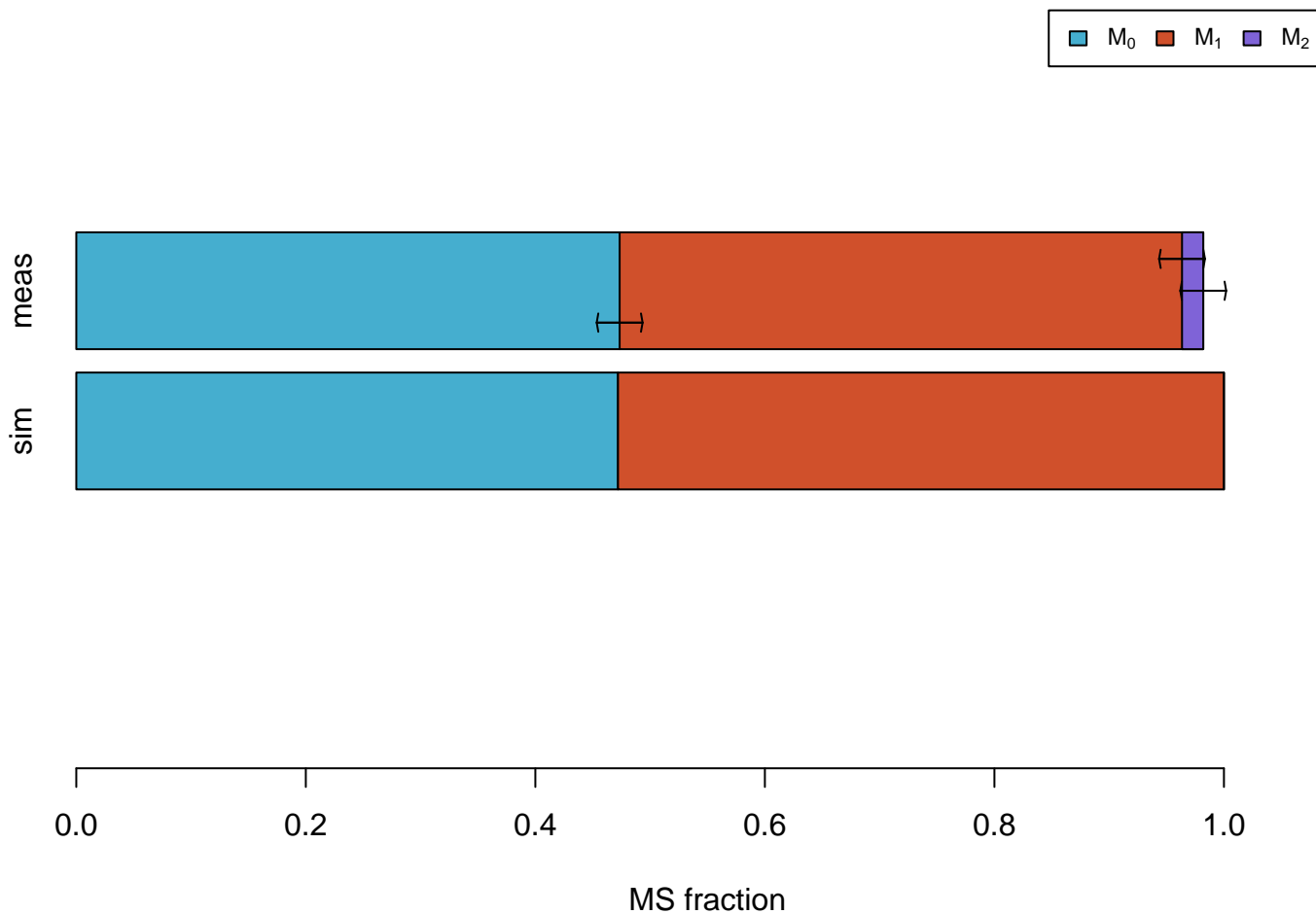
Ser



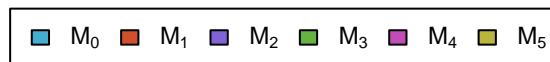
Ser #011



Tyr #110000000



Val

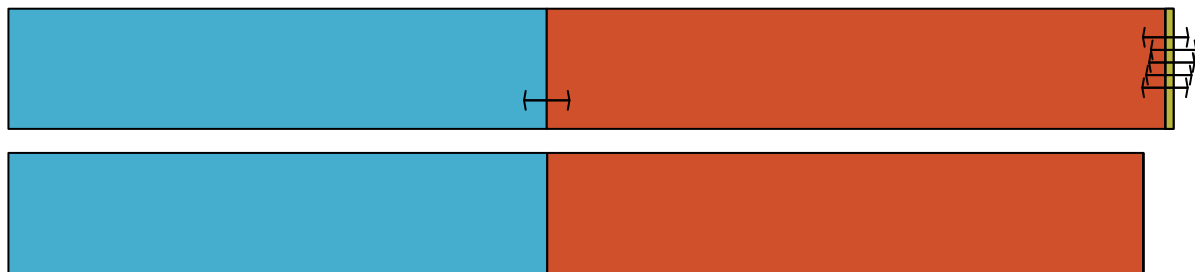


meas

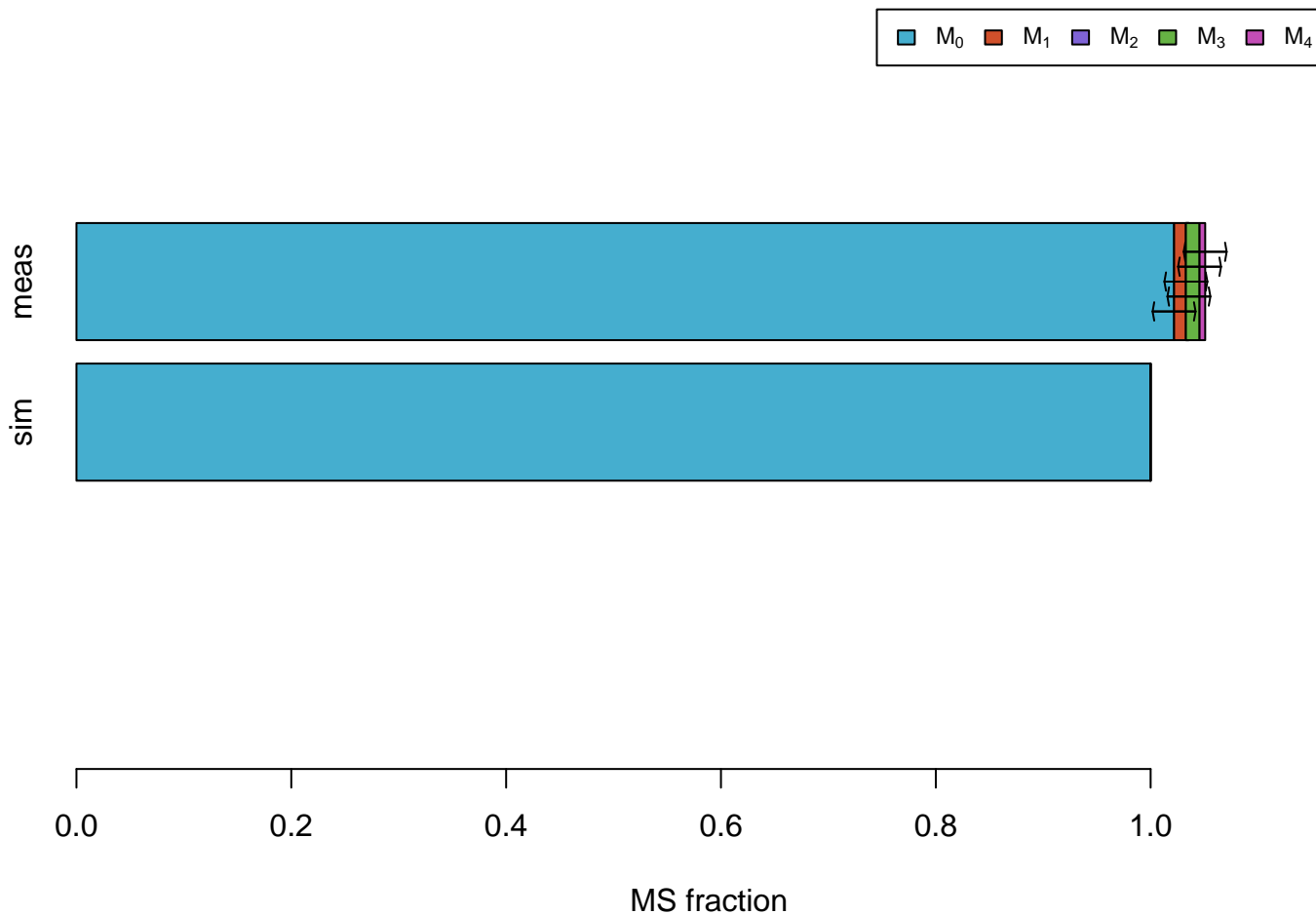
sim



MS fraction



Val #01111



MS simulations

3PG



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Ac



sim



MS fraction

AcCoA

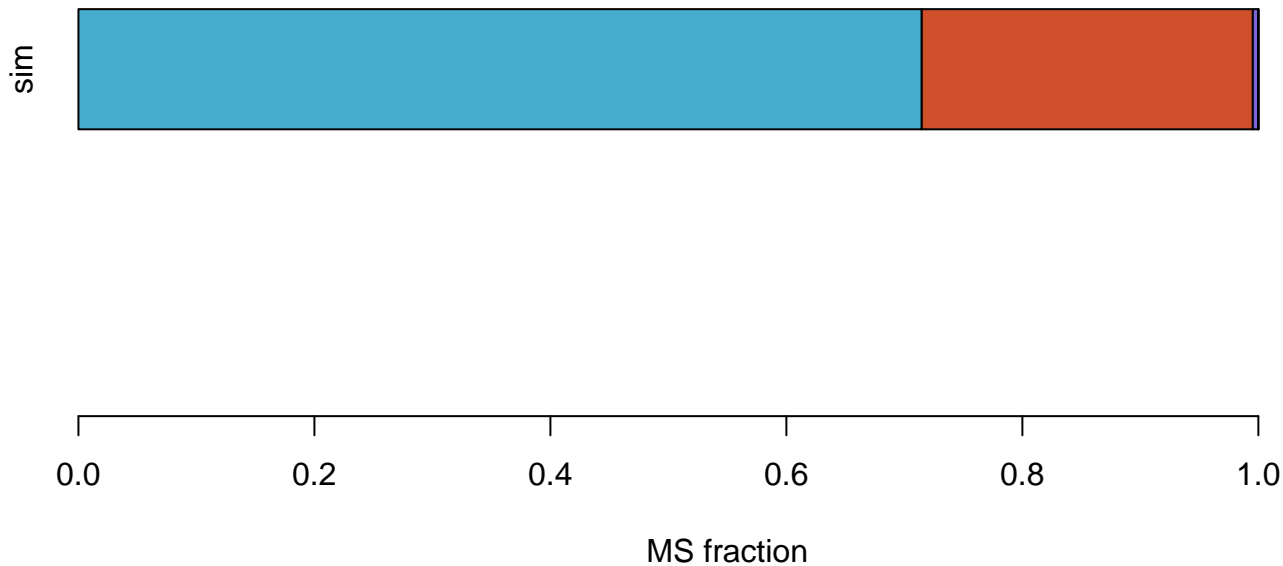
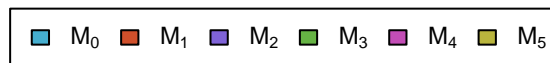


sim



MS fraction

AKG



Asn

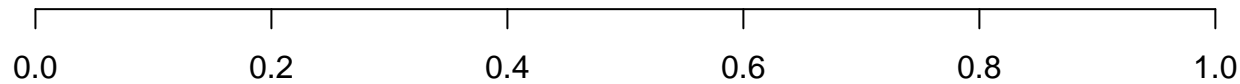


MS fraction

CO2



sim



MS fraction

Cys



MS fraction

DHAP



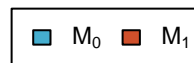
MS fraction

E4P

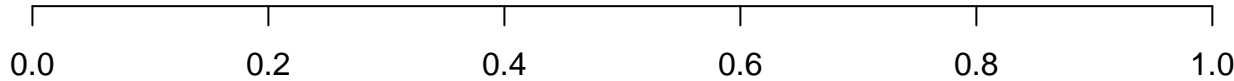


MS fraction

FTHF



sim



MS fraction

Fum



sim



MS fraction

GAP



MS fraction

Gln



MS fraction

Glyox

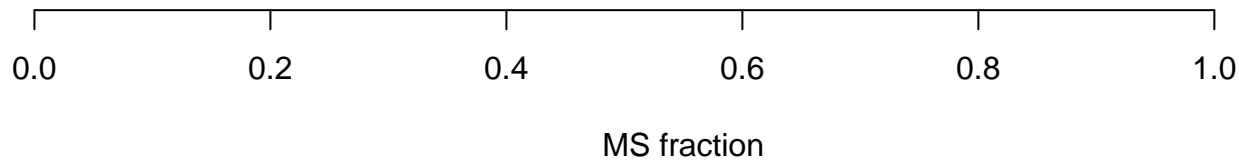


sim



MS fraction

Mal

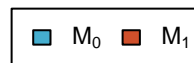


MEETHF



MS fraction

METHF



sim



MS fraction

OAC



MS fraction

PEP



MS fraction

Pro



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

Pyr



MS fraction

Suc



MS fraction

SucCoA



MS fraction

TA-C3



sim



MS fraction

Thr



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

TK-C2



sim



MS fraction