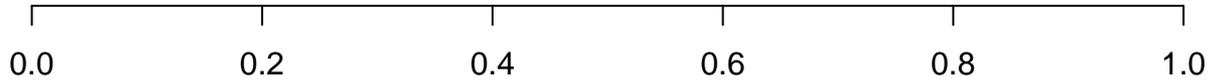
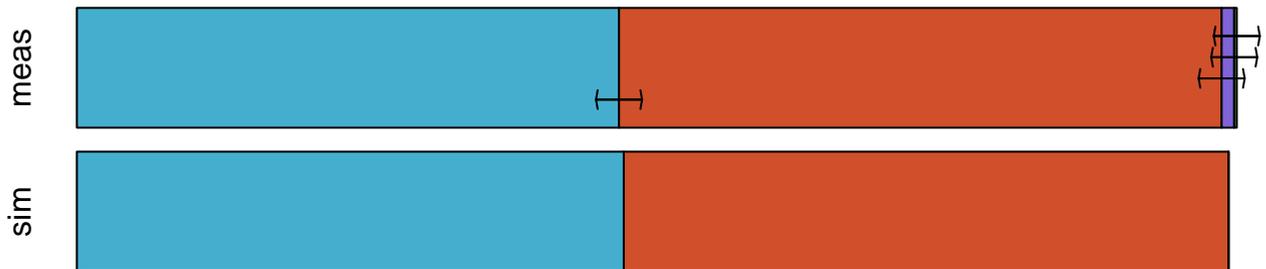


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

Ala



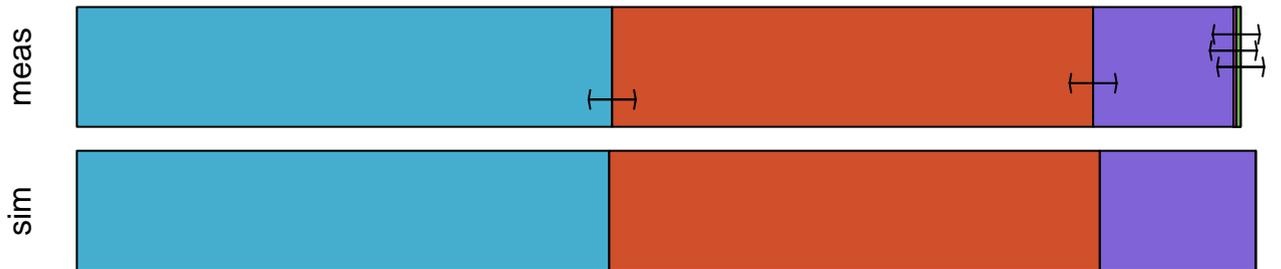
MS fraction

Ala #011

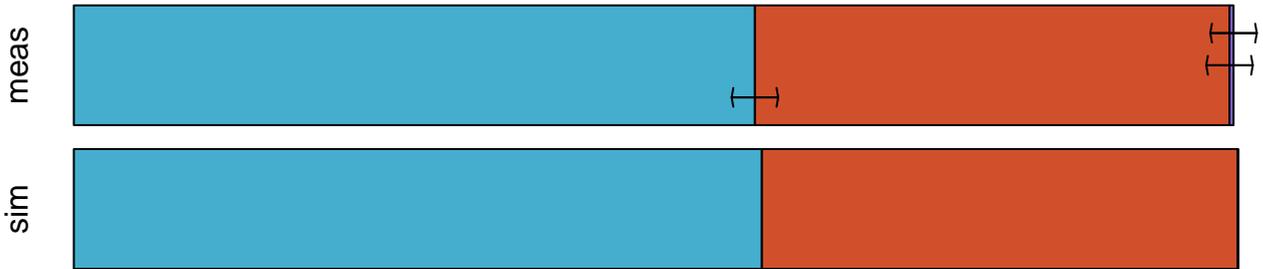


MS fraction

Asp



Asp #1100

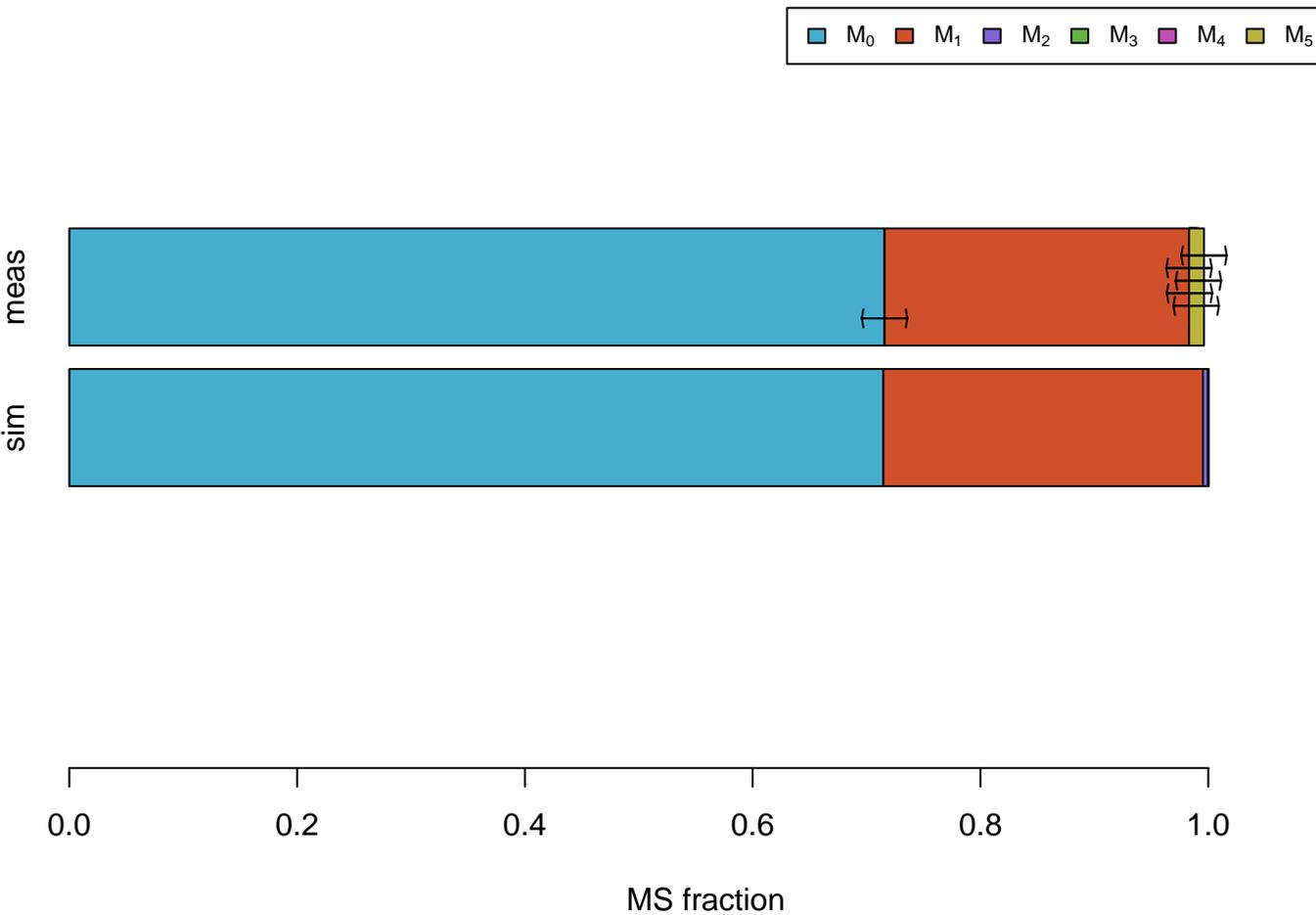


Asp #0111

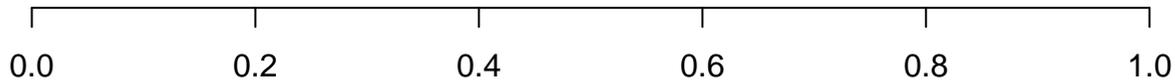


MS fraction

Glu



Glu #01111

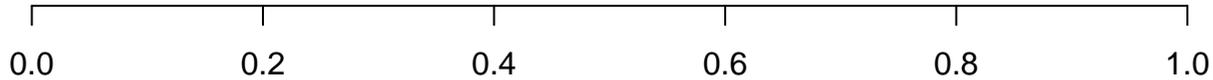


MS fraction

Gly

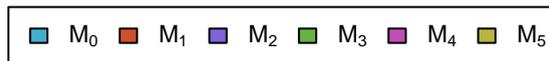


Gly #01



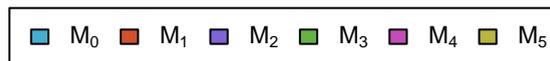
MS fraction

Ile #011111



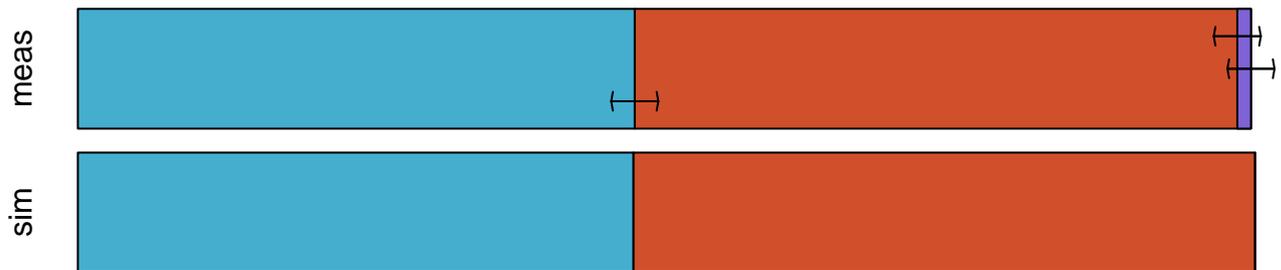
MS fraction

Leu #011111



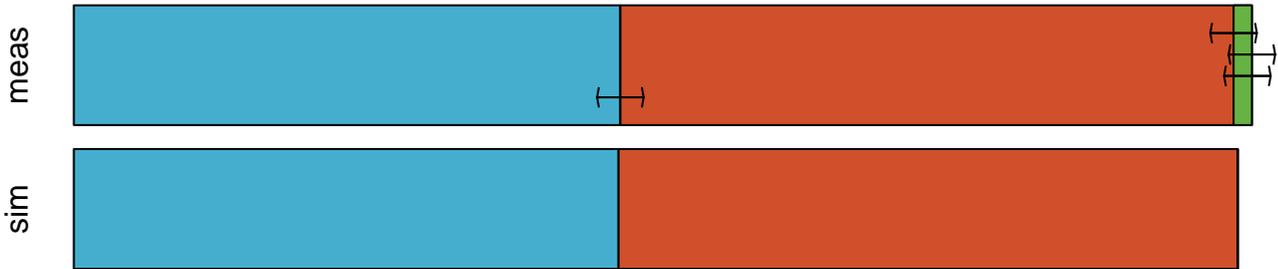
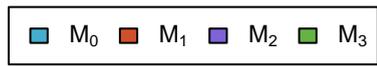
MS fraction

Phe #110000000

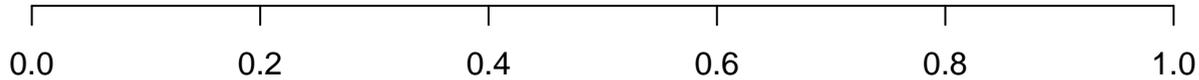


MS fraction

Ser

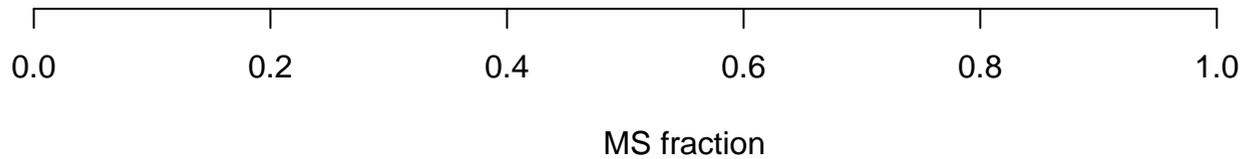
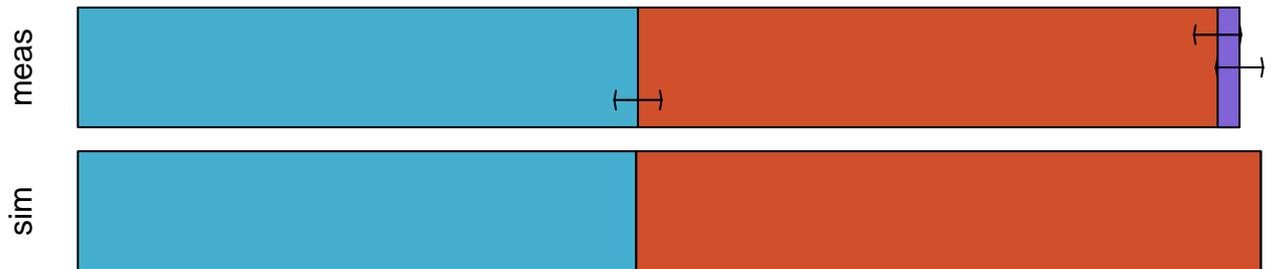


Ser #011

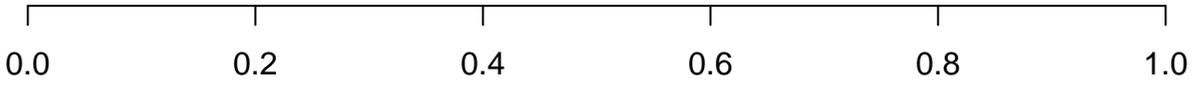
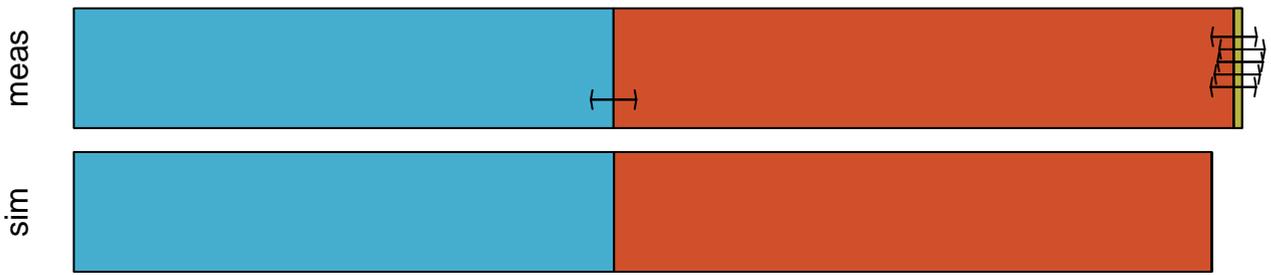
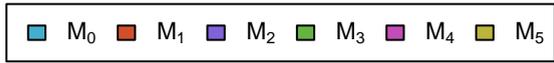


MS fraction

Tyr #110000000



Val



MS fraction

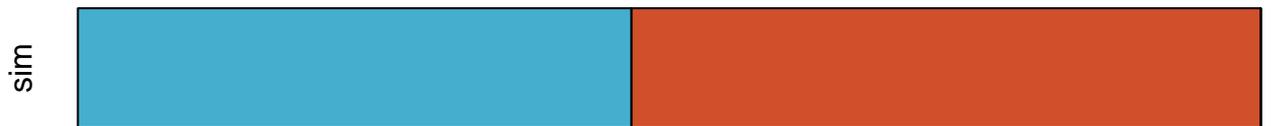
Val #01111



MS fraction

MS simulations

3PG

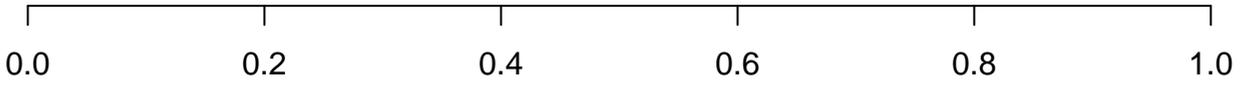


MS fraction

Ac



sim



MS fraction

AcCoA



sim



0.0

0.2

0.4

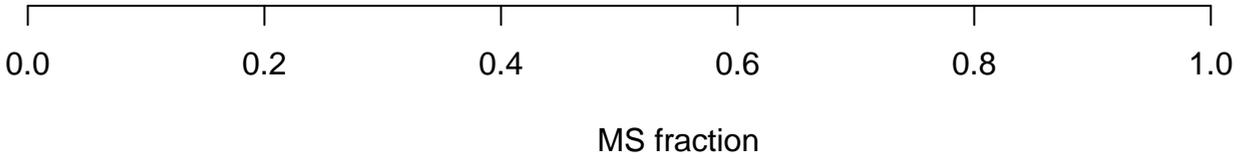
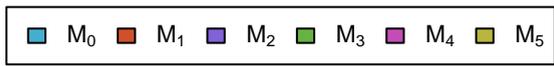
0.6

0.8

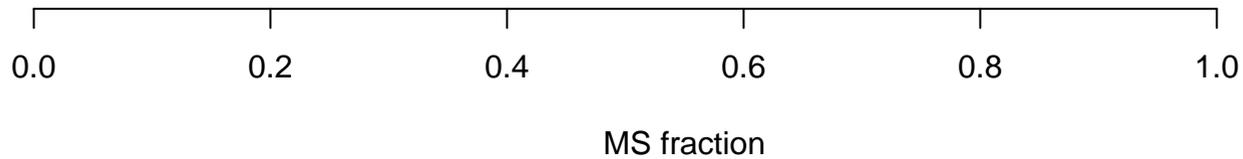
1.0

MS fraction

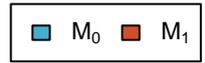
AKG



Asn



CO2



Cys



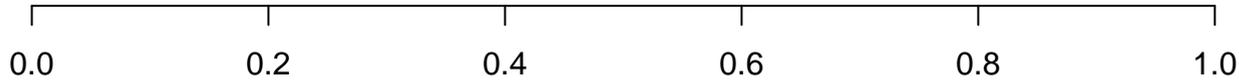
MS fraction

DHAP



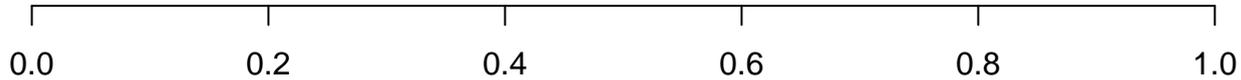
MS fraction

E4P



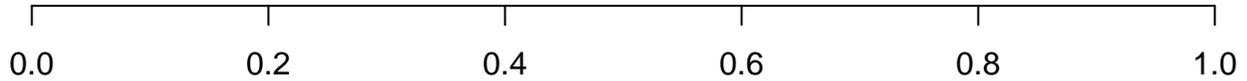
MS fraction

FTHF



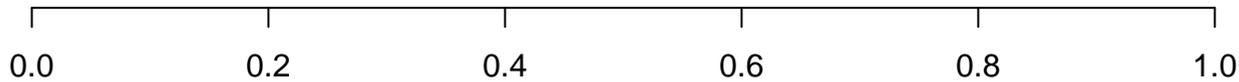
MS fraction

Fum



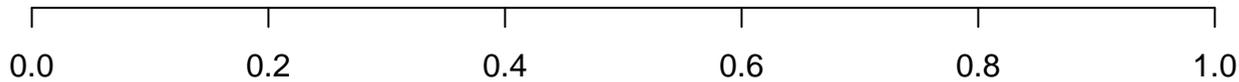
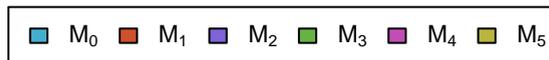
MS fraction

GAP



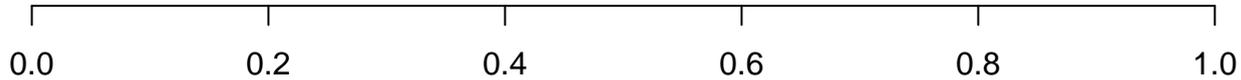
MS fraction

Gln



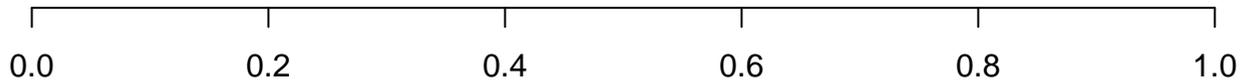
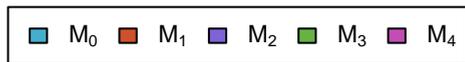
MS fraction

Glyox



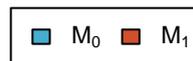
MS fraction

Mal



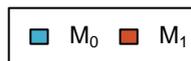
MS fraction

MEETHF



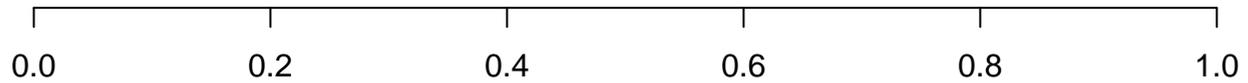
MS fraction

METHF



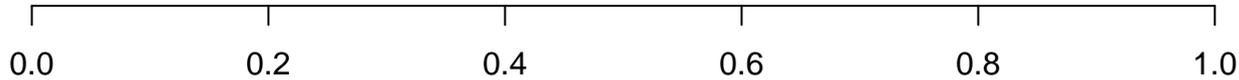
MS fraction

OAC



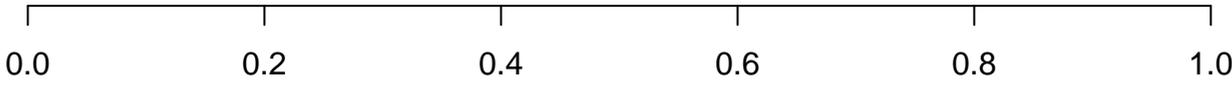
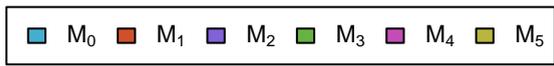
MS fraction

PEP



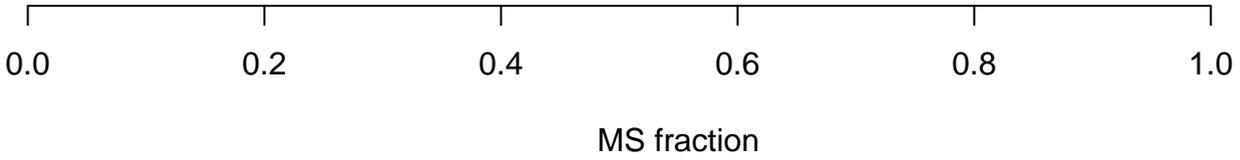
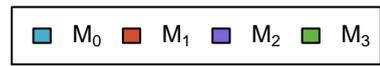
MS fraction

Pro

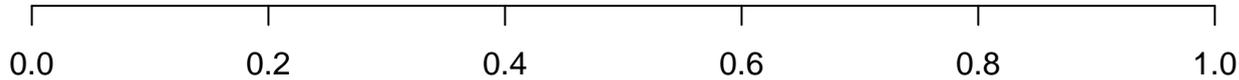


MS fraction

Pyr



Suc



MS fraction

SucCoA



MS fraction

TA-C3



sim



0.0

0.2

0.4

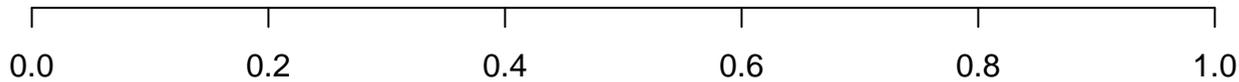
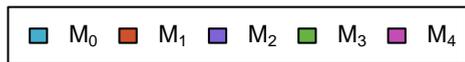
0.6

0.8

1.0

MS fraction

Thr



MS fraction

TK-C2



MS fraction