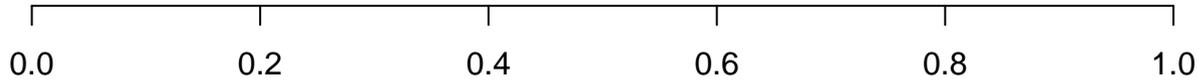
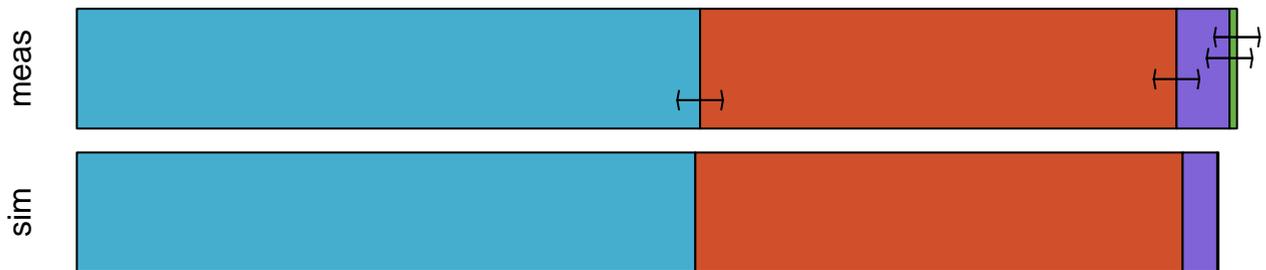


MS measurements
(error bars= $\pm 2 \cdot \text{dev}$)

Ala



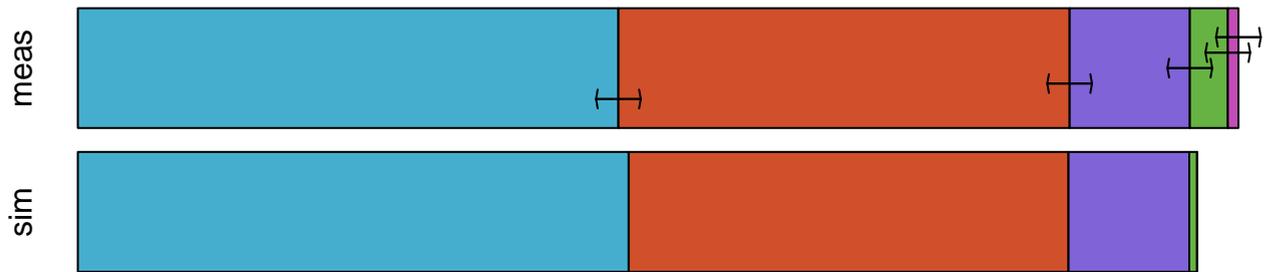
MS fraction

Ala #011

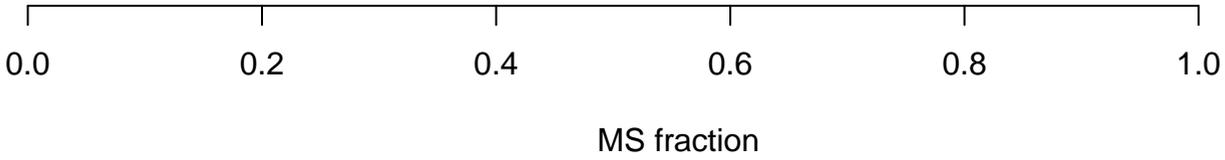
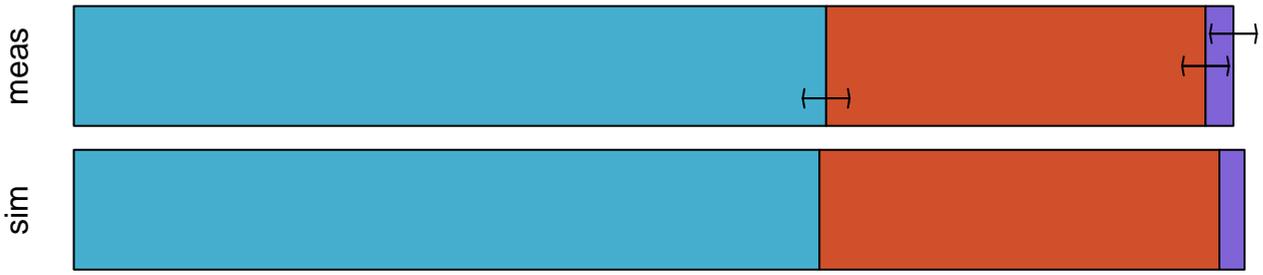


MS fraction

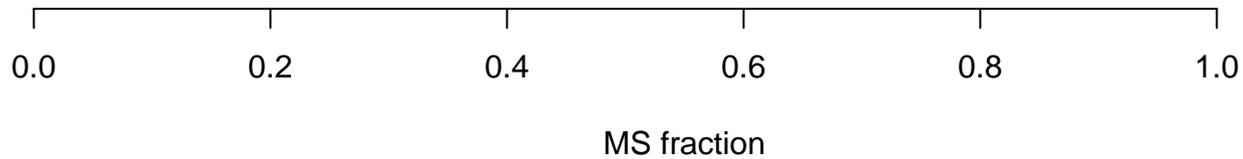
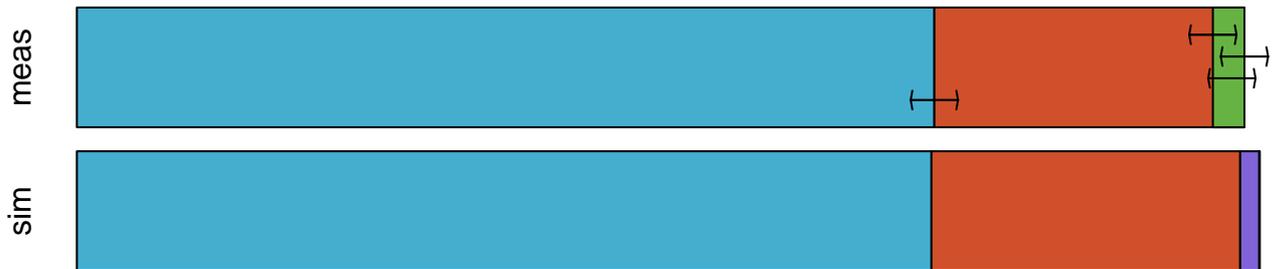
Asp



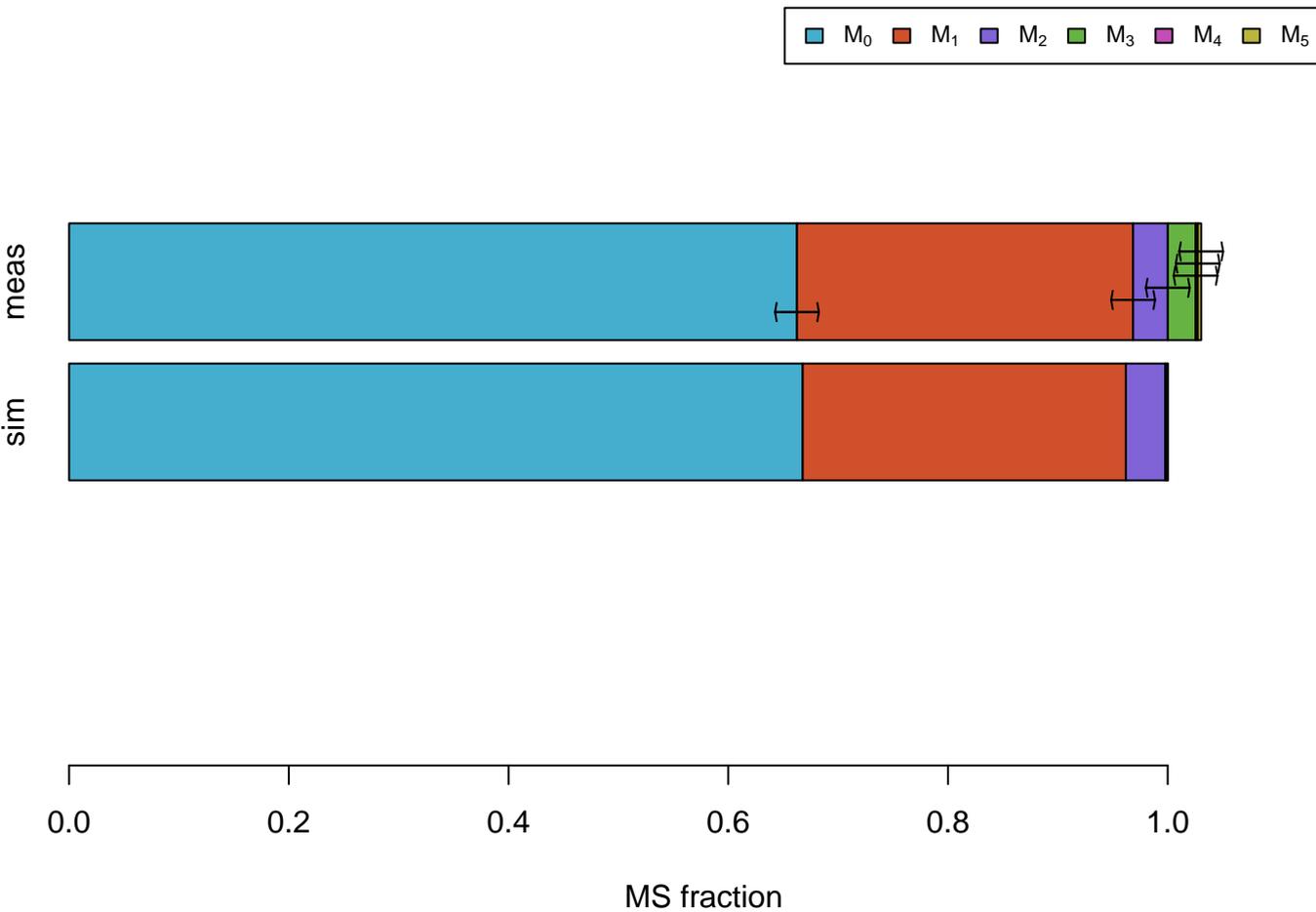
Asp #1100



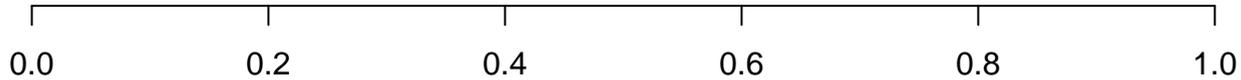
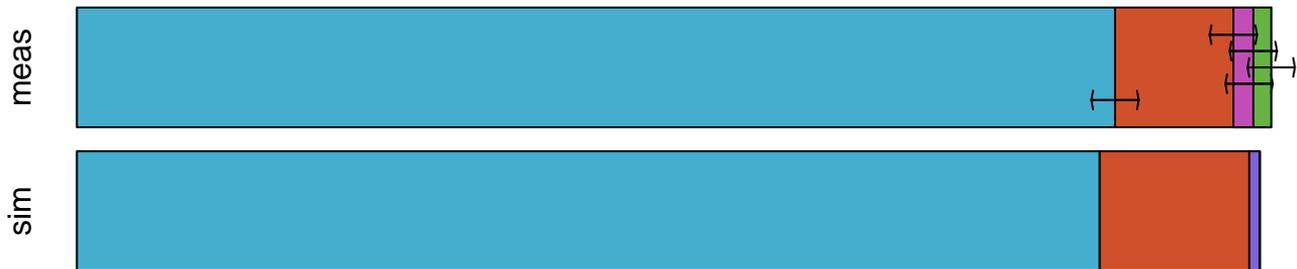
Asp #0111



Glu

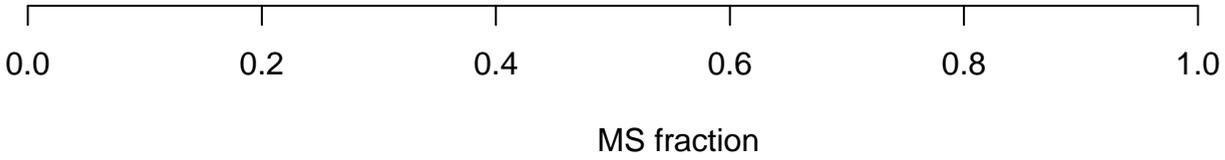


Glu #01111

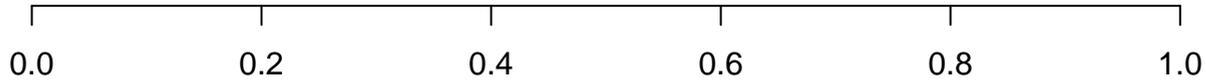


MS fraction

Gly

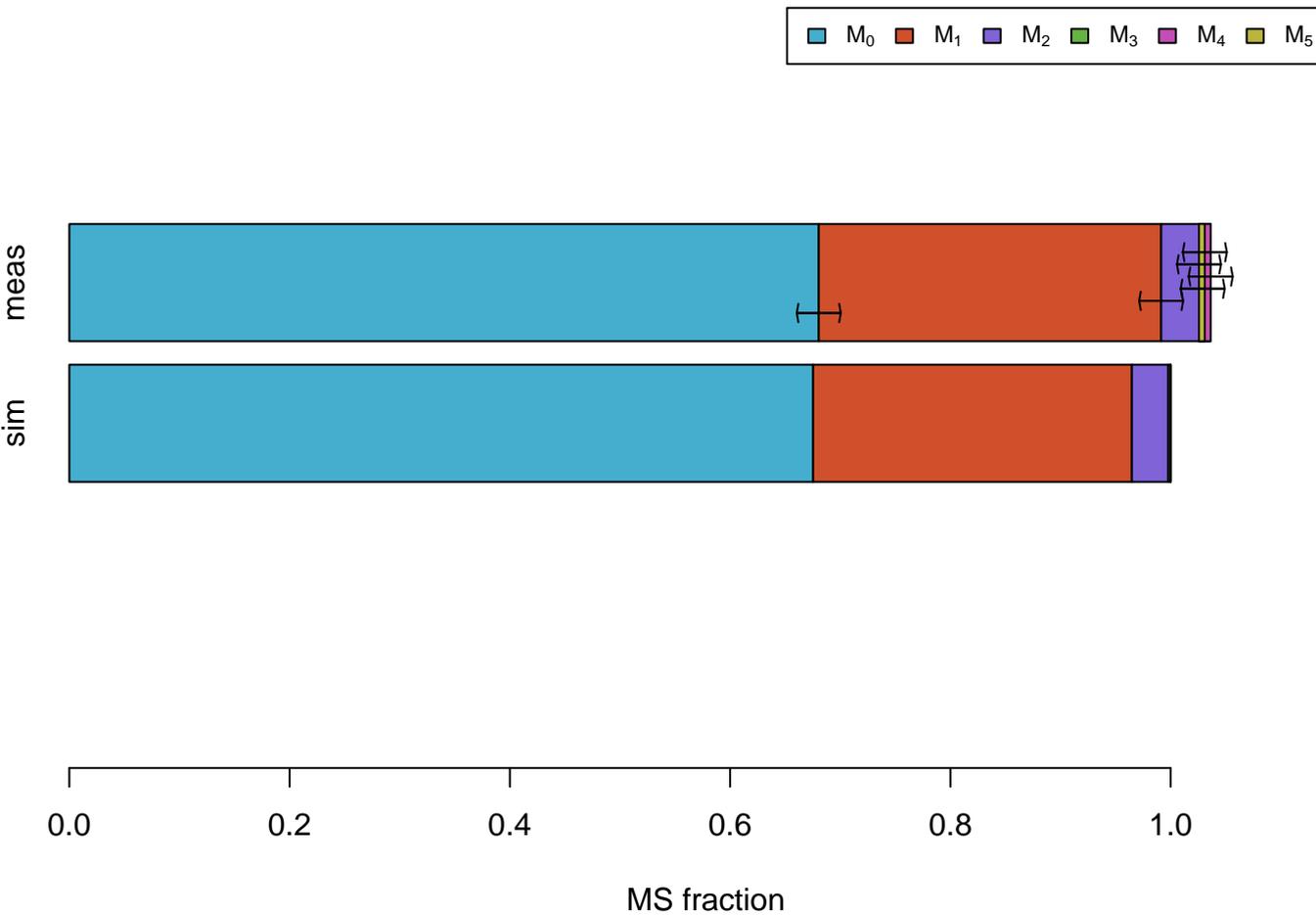


Gly #01

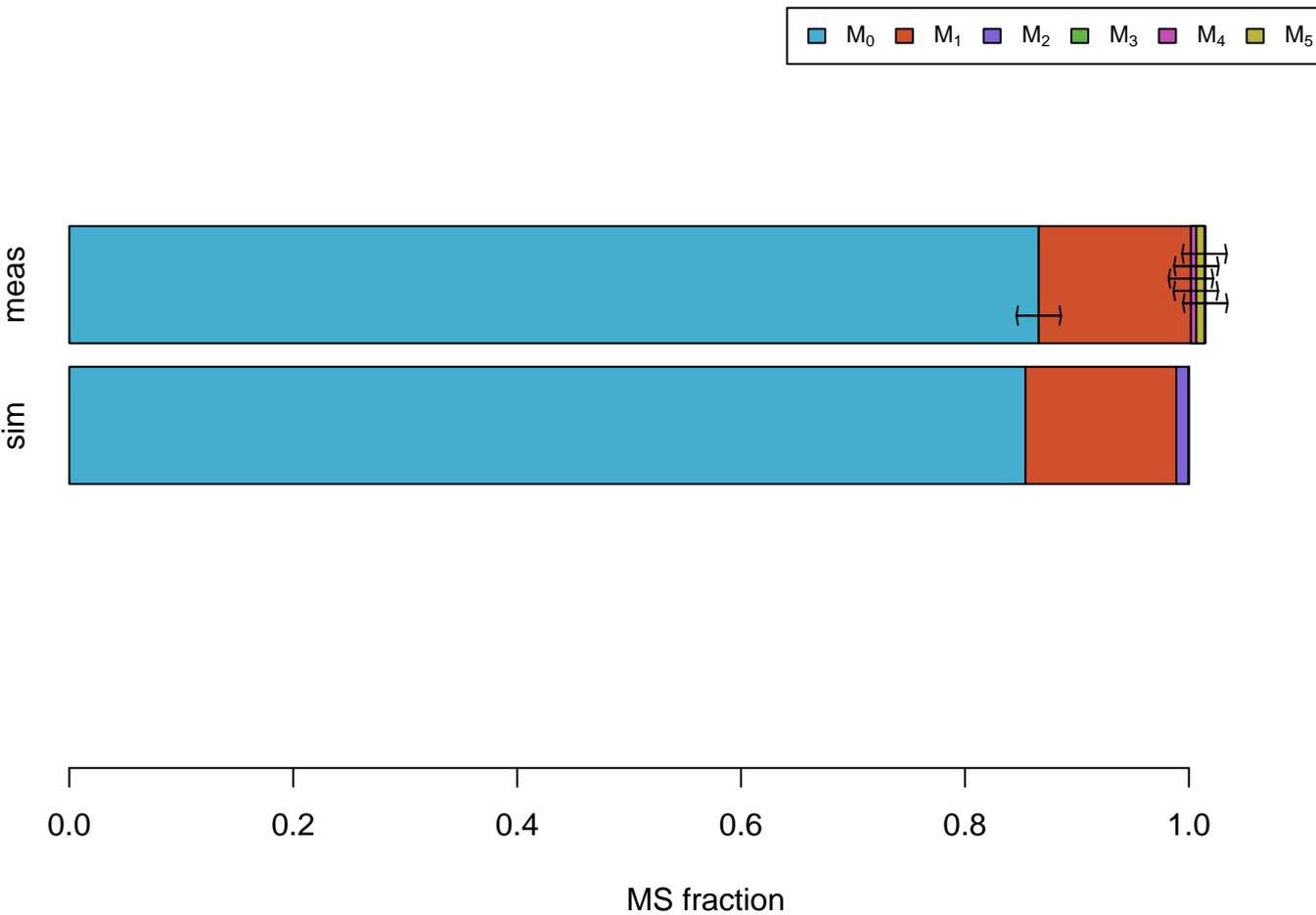


MS fraction

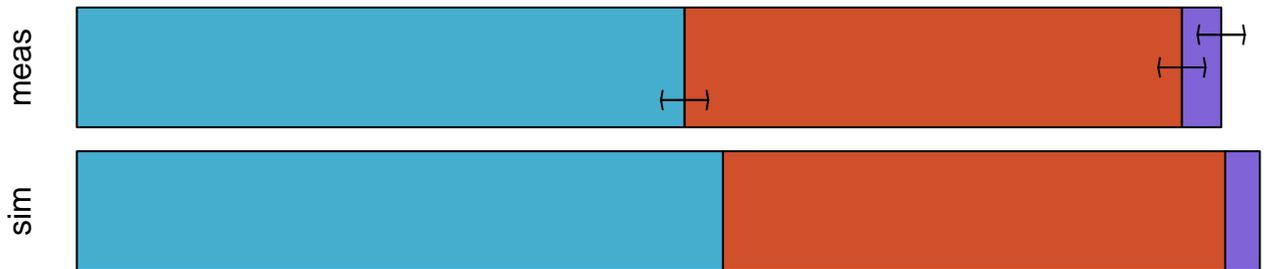
Ile #011111



Leu #011111

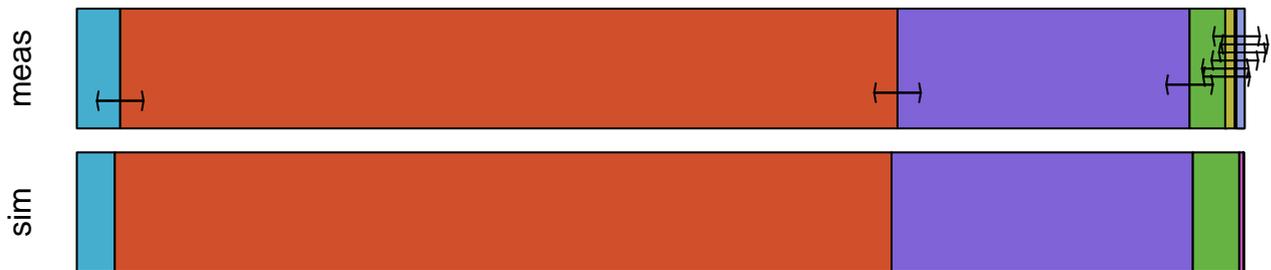


Phe #110000000

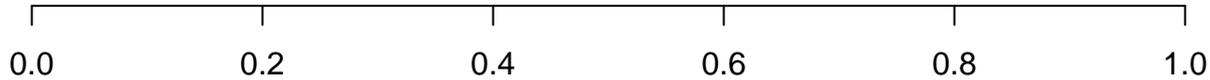
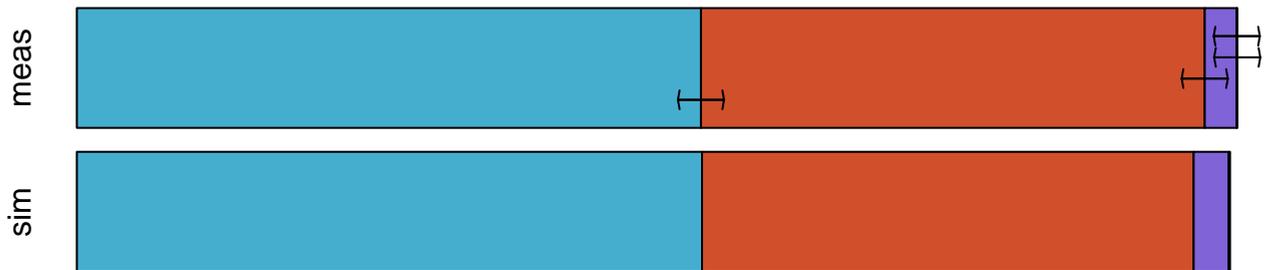


MS fraction

Phe #01111111



Ser



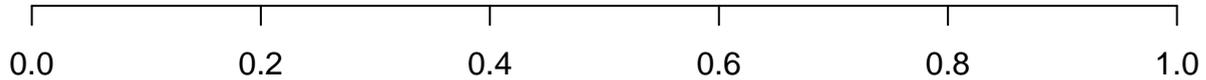
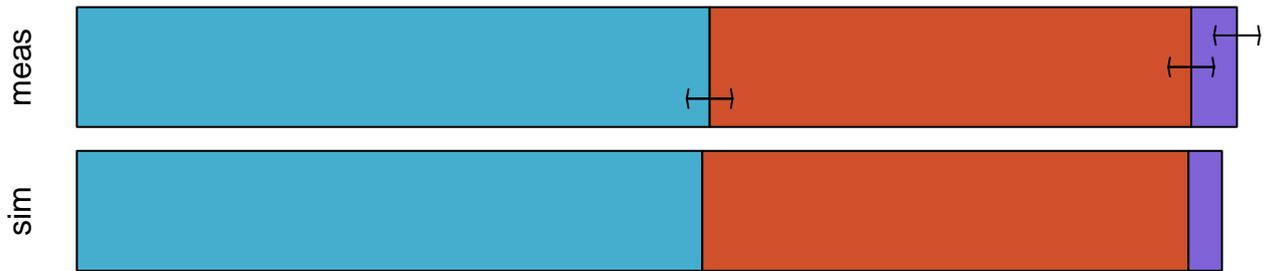
MS fraction

Ser #011



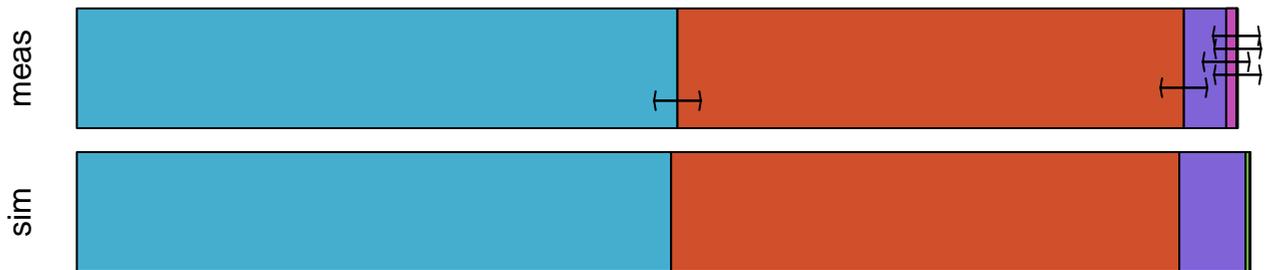
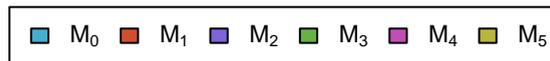
MS fraction

Tyr #11000000



MS fraction

Val



MS fraction

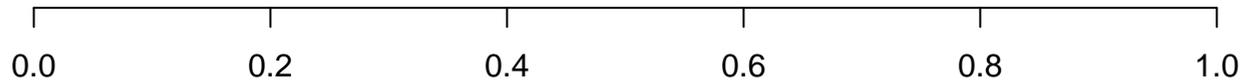
Val #01111



MS fraction

MS simulations

3PG



MS fraction

Ac



MS fraction

AcCoA



sim



0.0

0.2

0.4

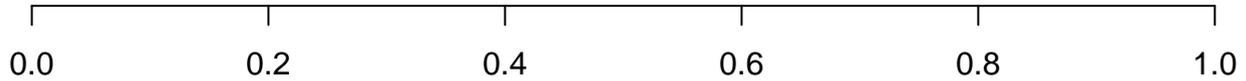
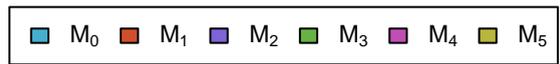
0.6

0.8

1.0

MS fraction

AKG



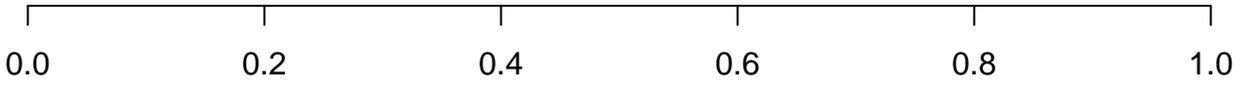
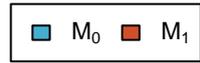
MS fraction

Asn



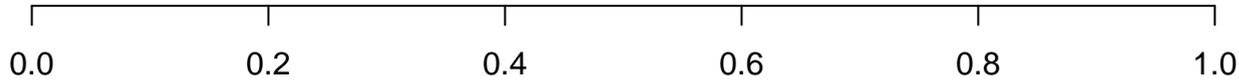
MS fraction

CO2



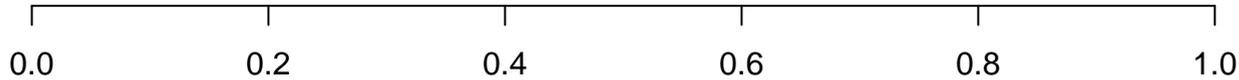
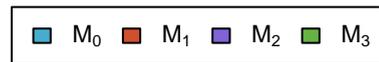
MS fraction

Cys



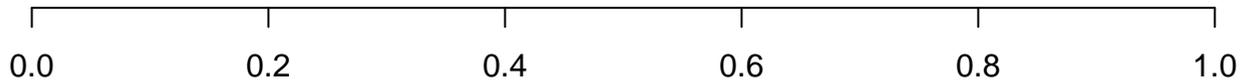
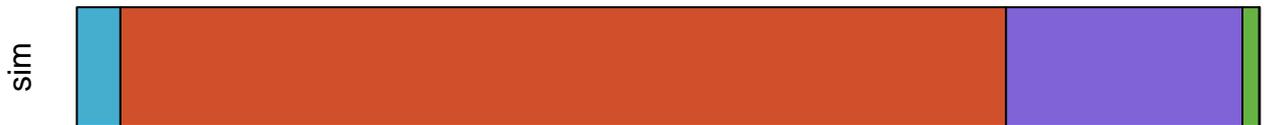
MS fraction

DHAP



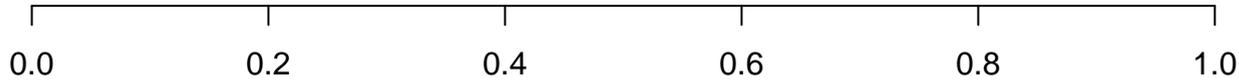
MS fraction

E4P



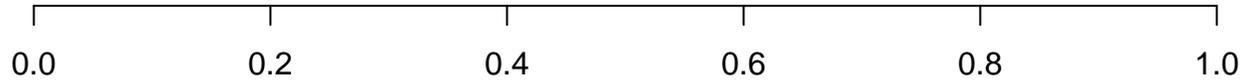
MS fraction

FTHF



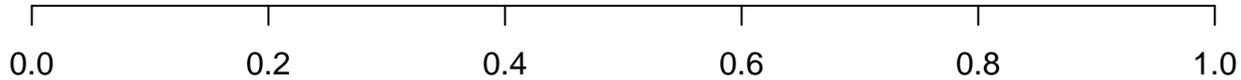
MS fraction

Fum



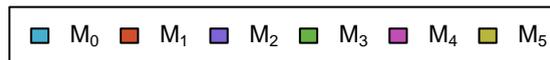
MS fraction

GAP



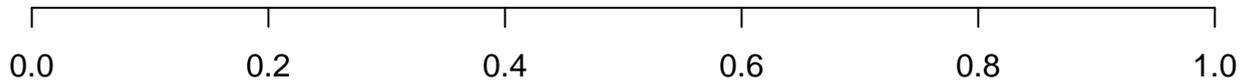
MS fraction

Gln



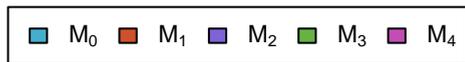
MS fraction

Glyox



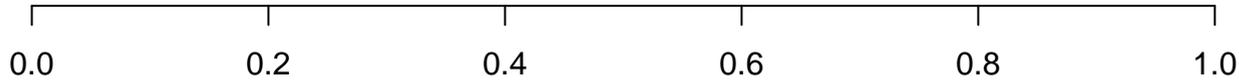
MS fraction

Mal



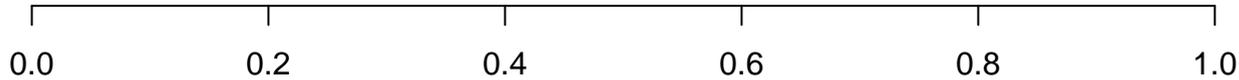
MS fraction

MEETHF



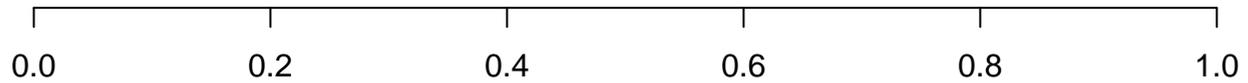
MS fraction

METHF



MS fraction

OAC



MS fraction

PEP



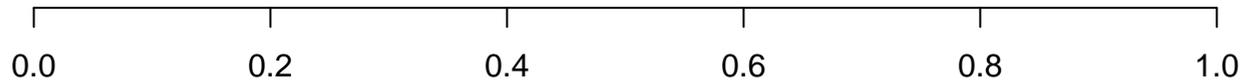
MS fraction

Pro



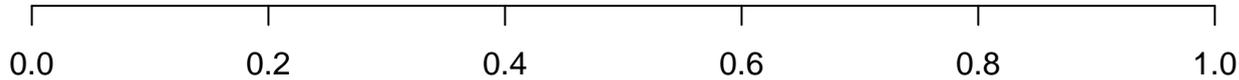
MS fraction

Pyr



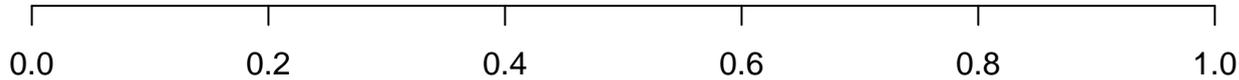
MS fraction

Suc



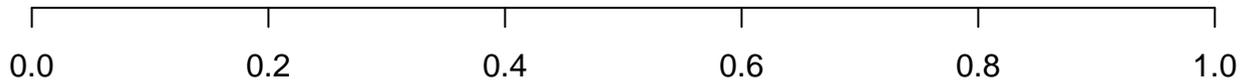
MS fraction

SucCoA



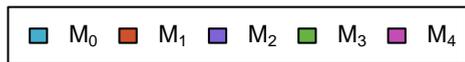
MS fraction

TA-C3



MS fraction

Thr



MS fraction

TK-C2



MS fraction