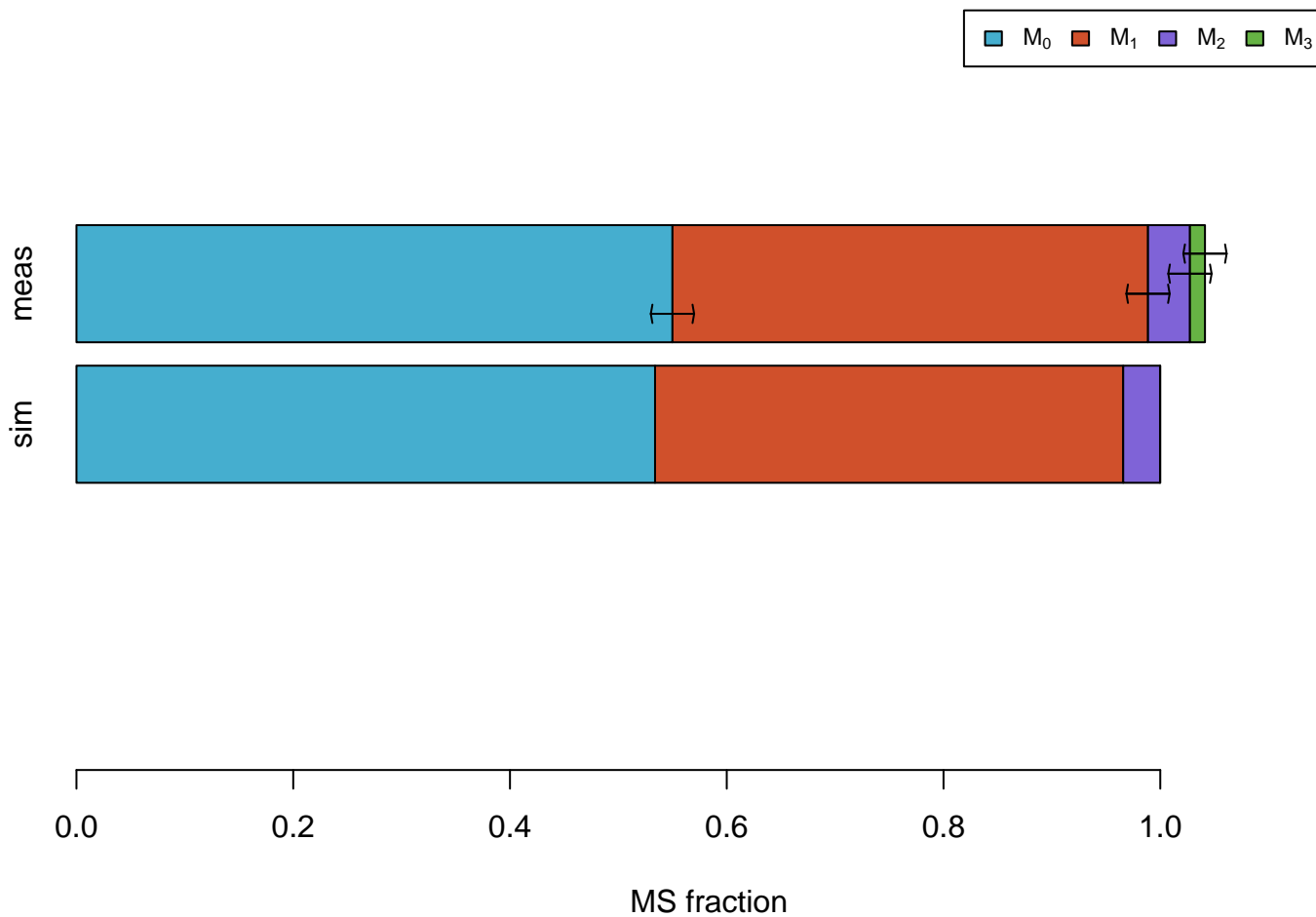
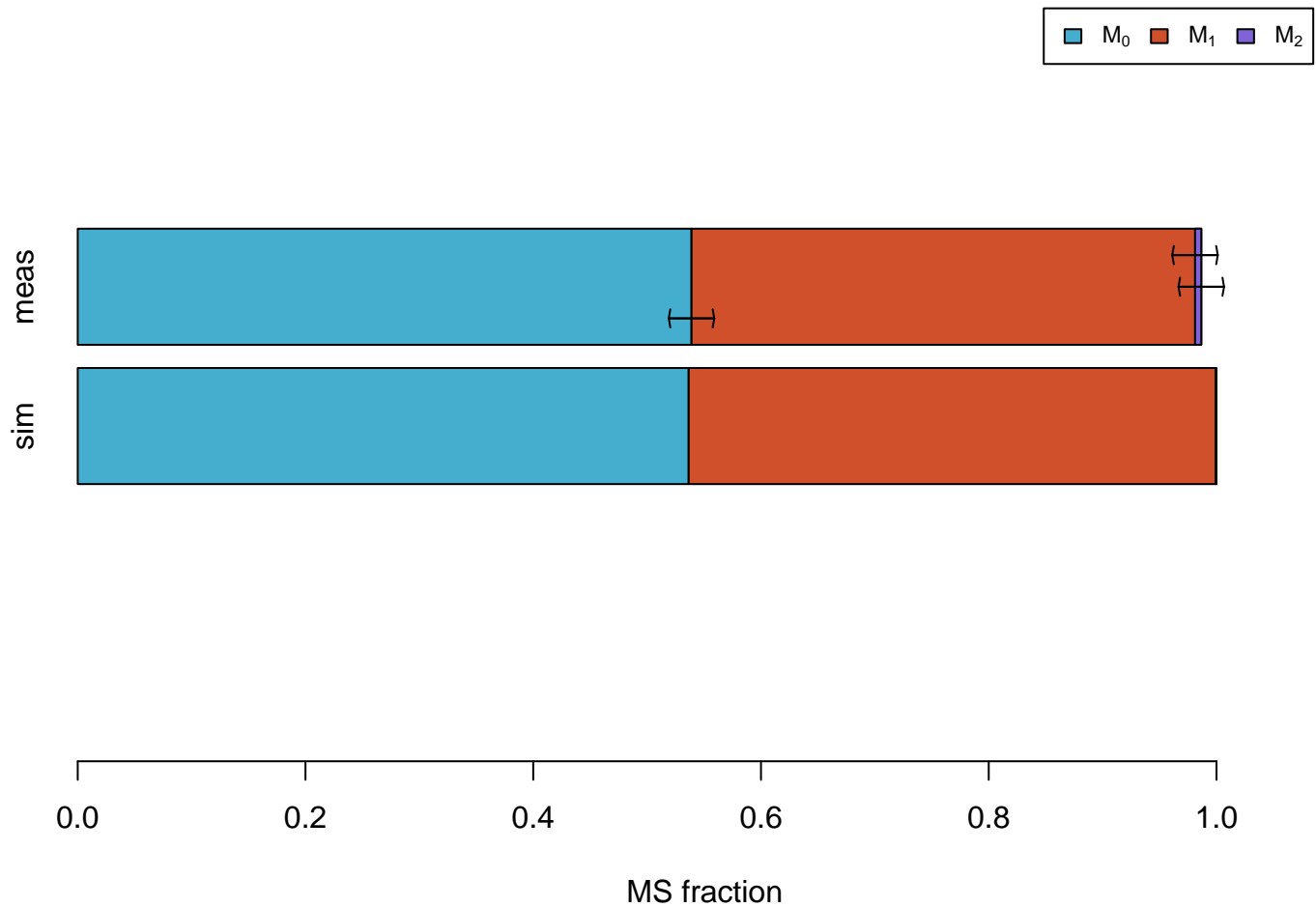


MS measurements  
(error bars= $\pm 2 \cdot \text{dev}$ )

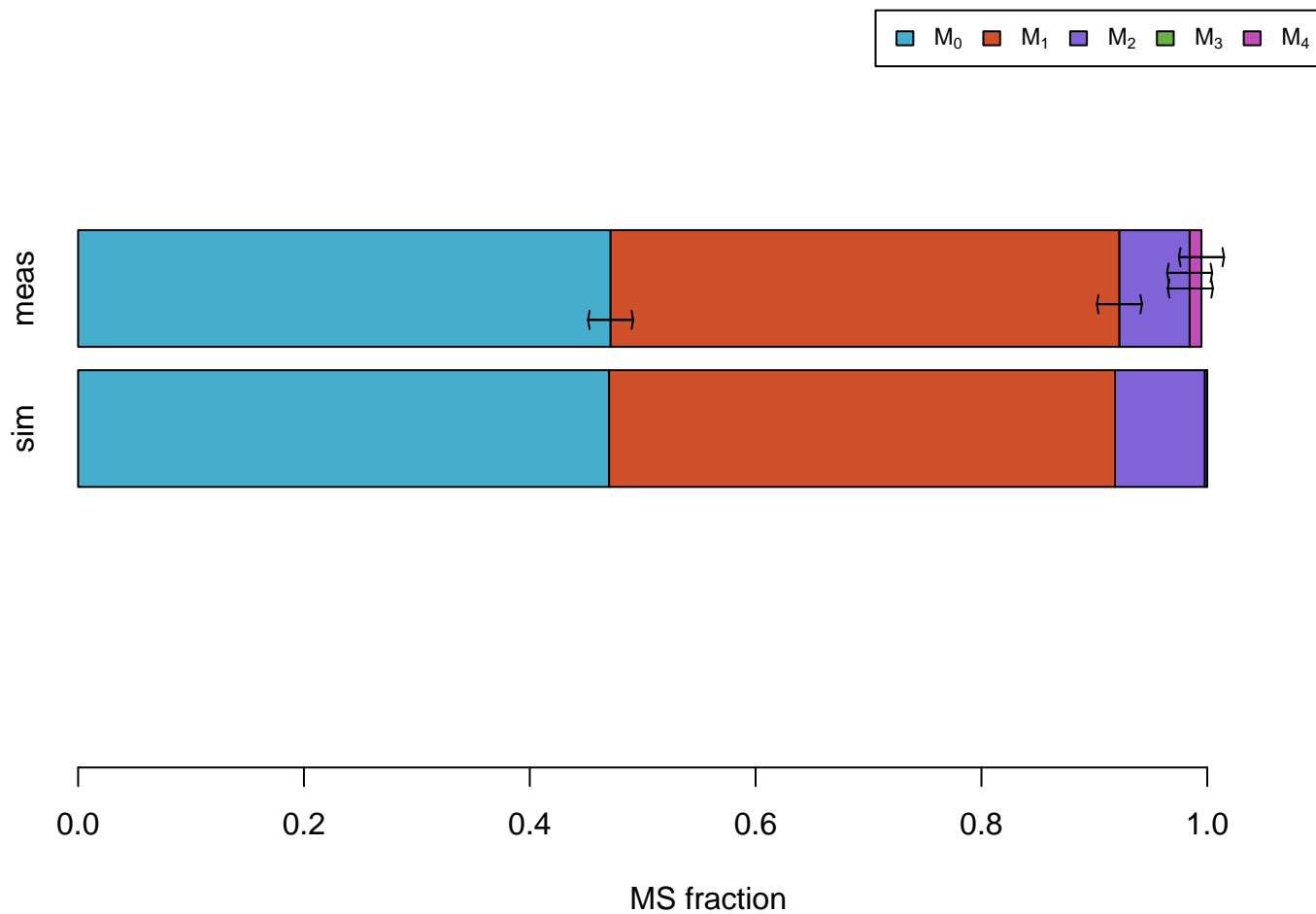
# Ala



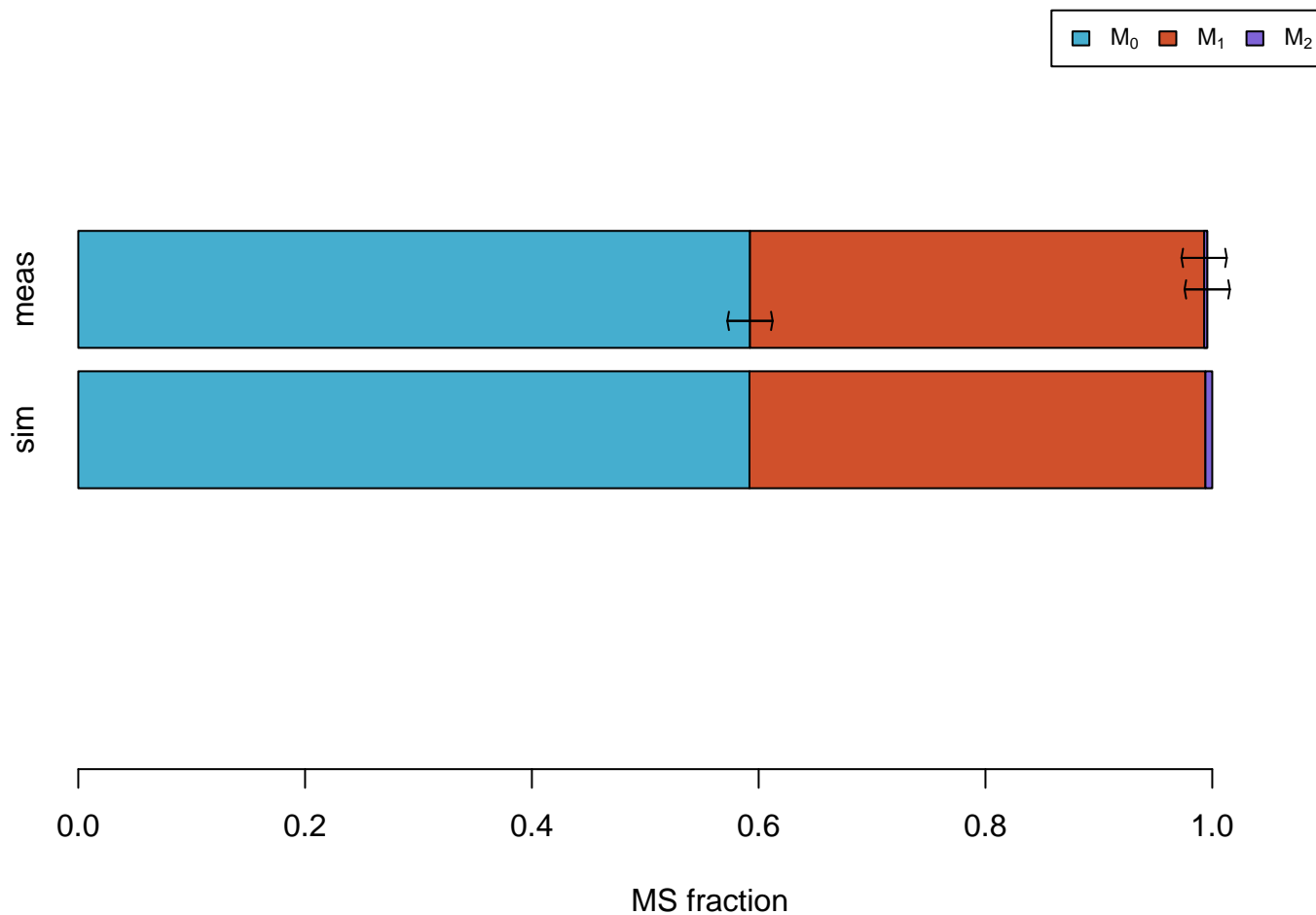
# Ala #011



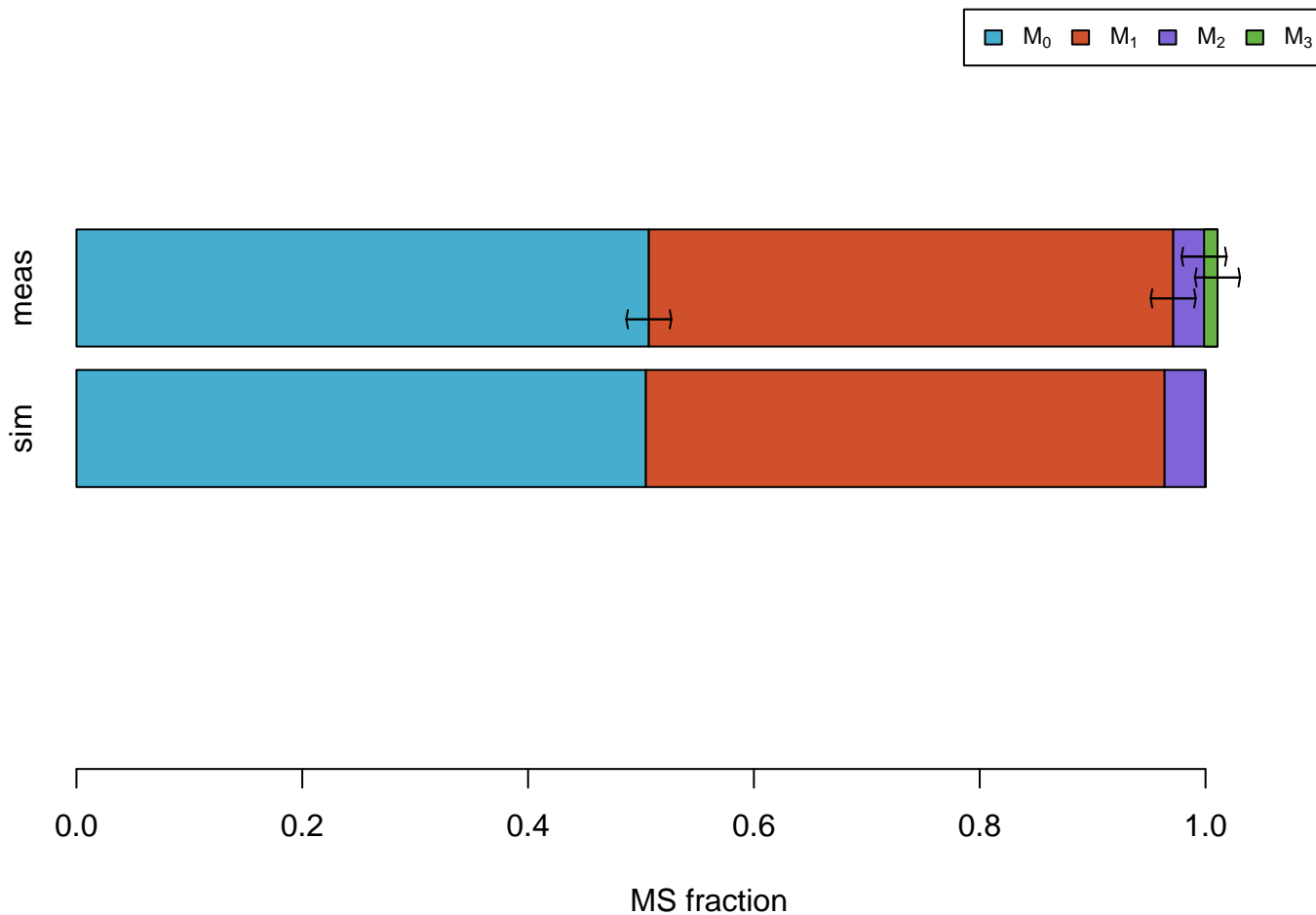
# Asp



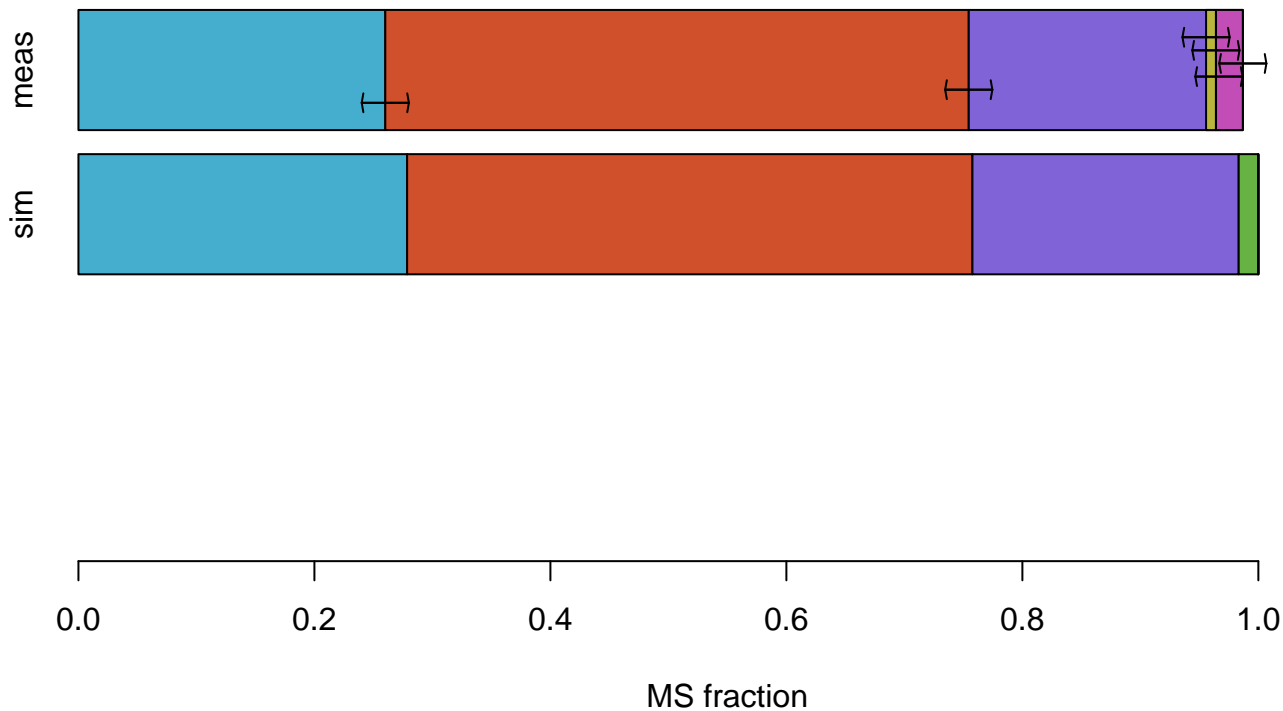
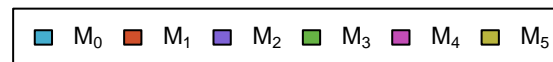
# Asp #1100



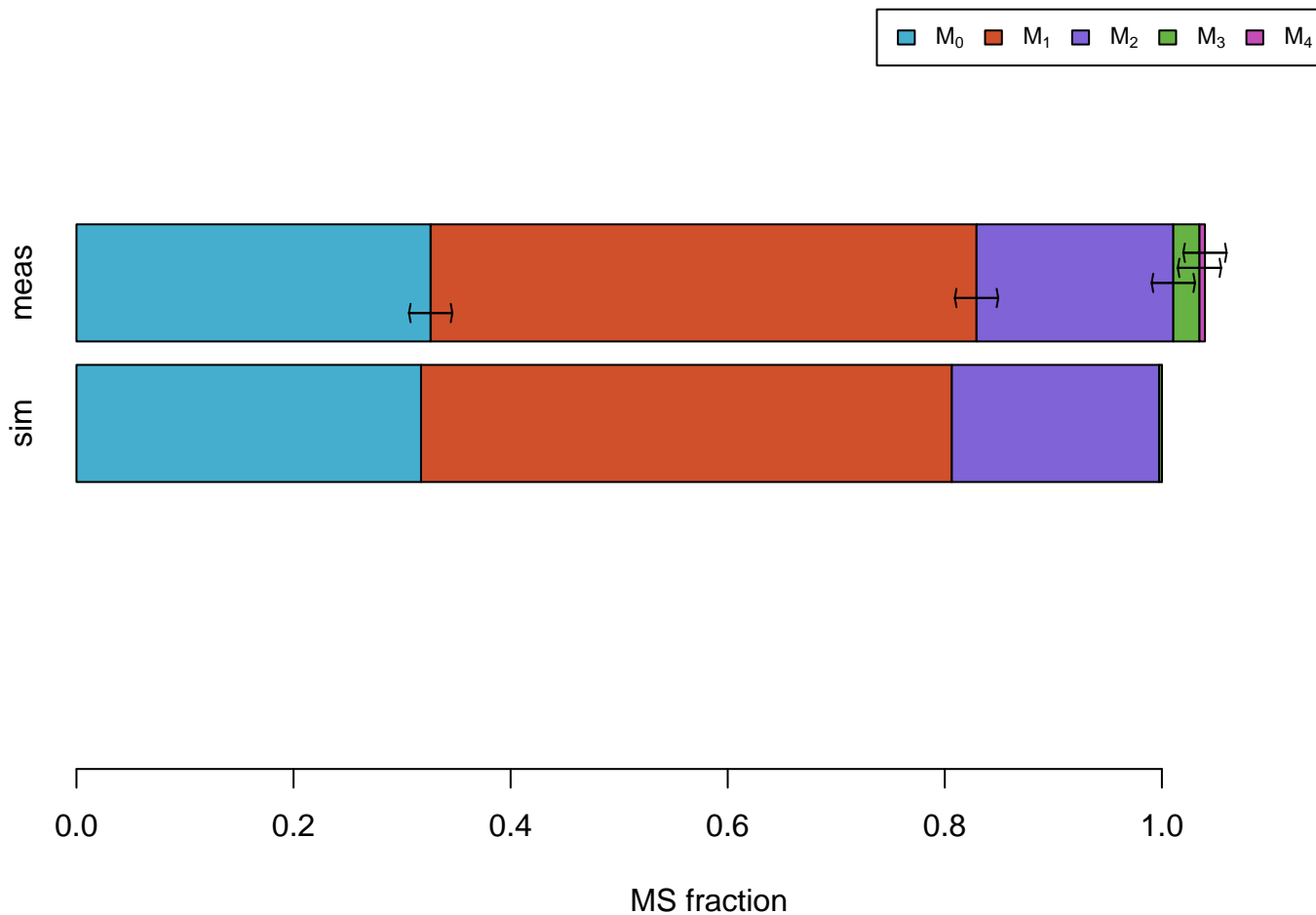
# Asp #0111



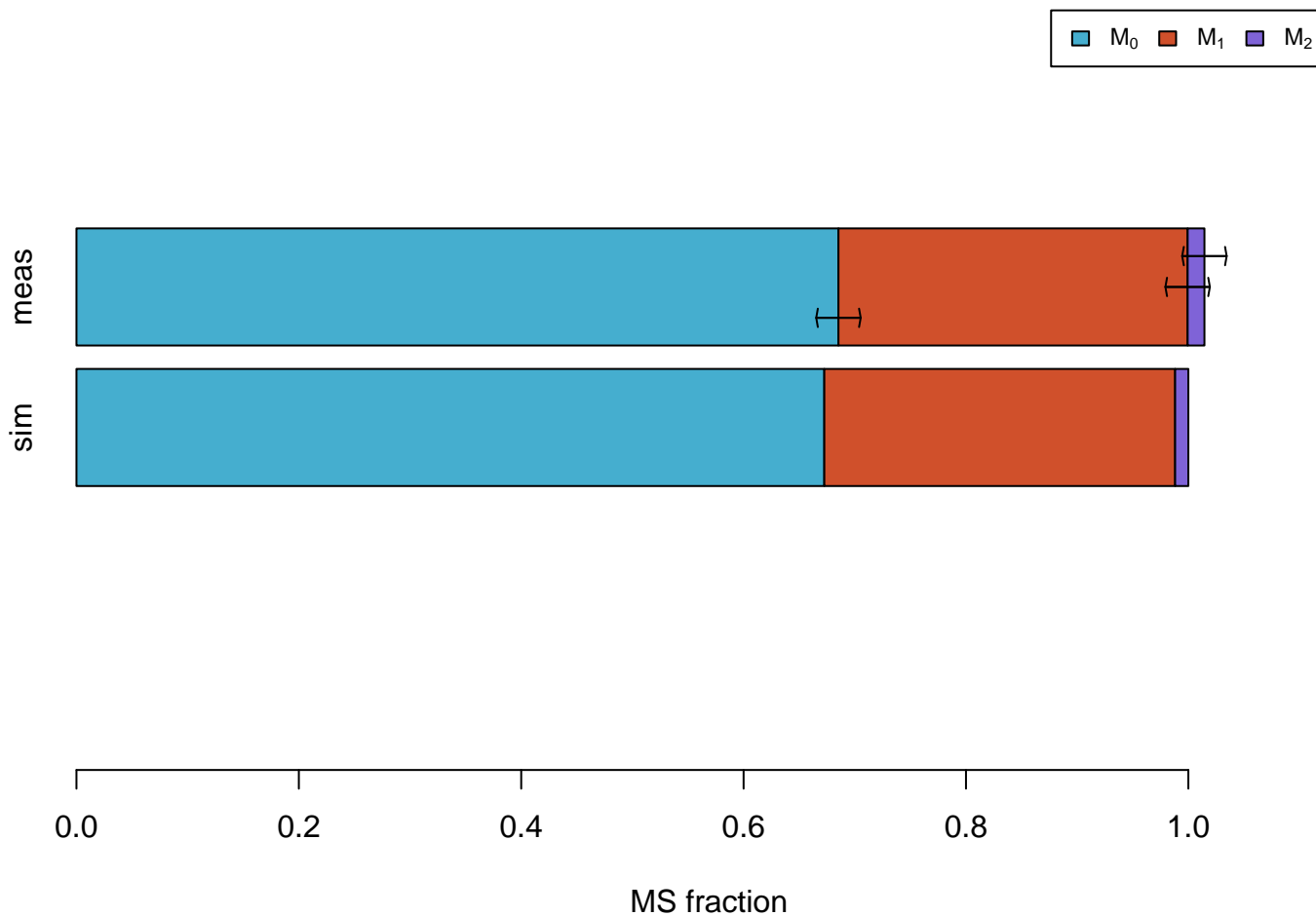
# Glu



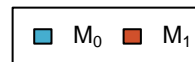
# Glu #01111



# Gly

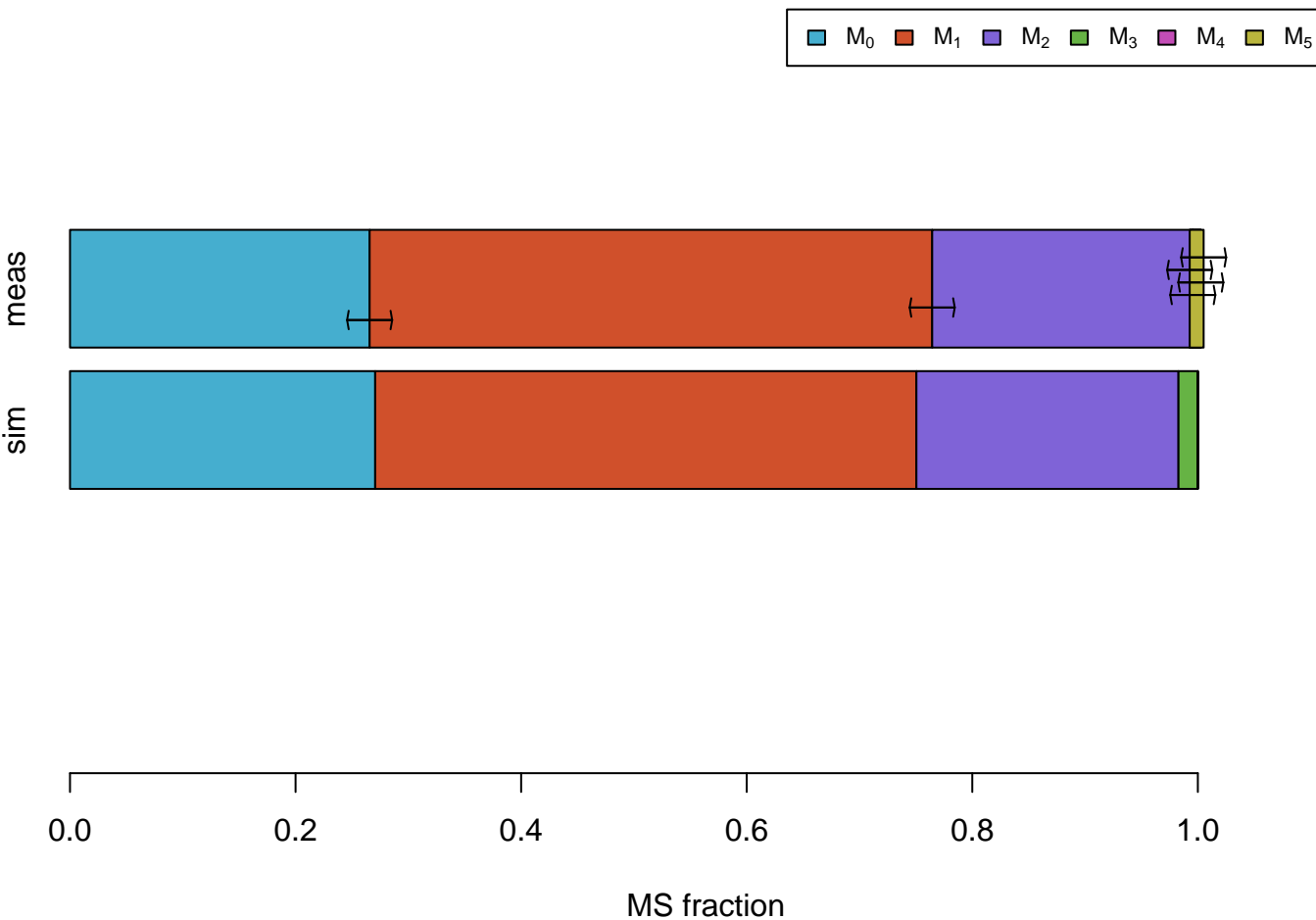


# Gly #01

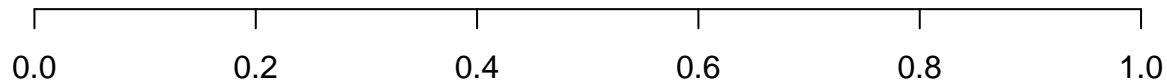
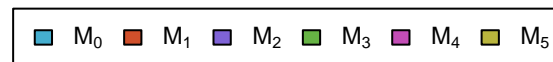


MS fraction

# Ile #011111

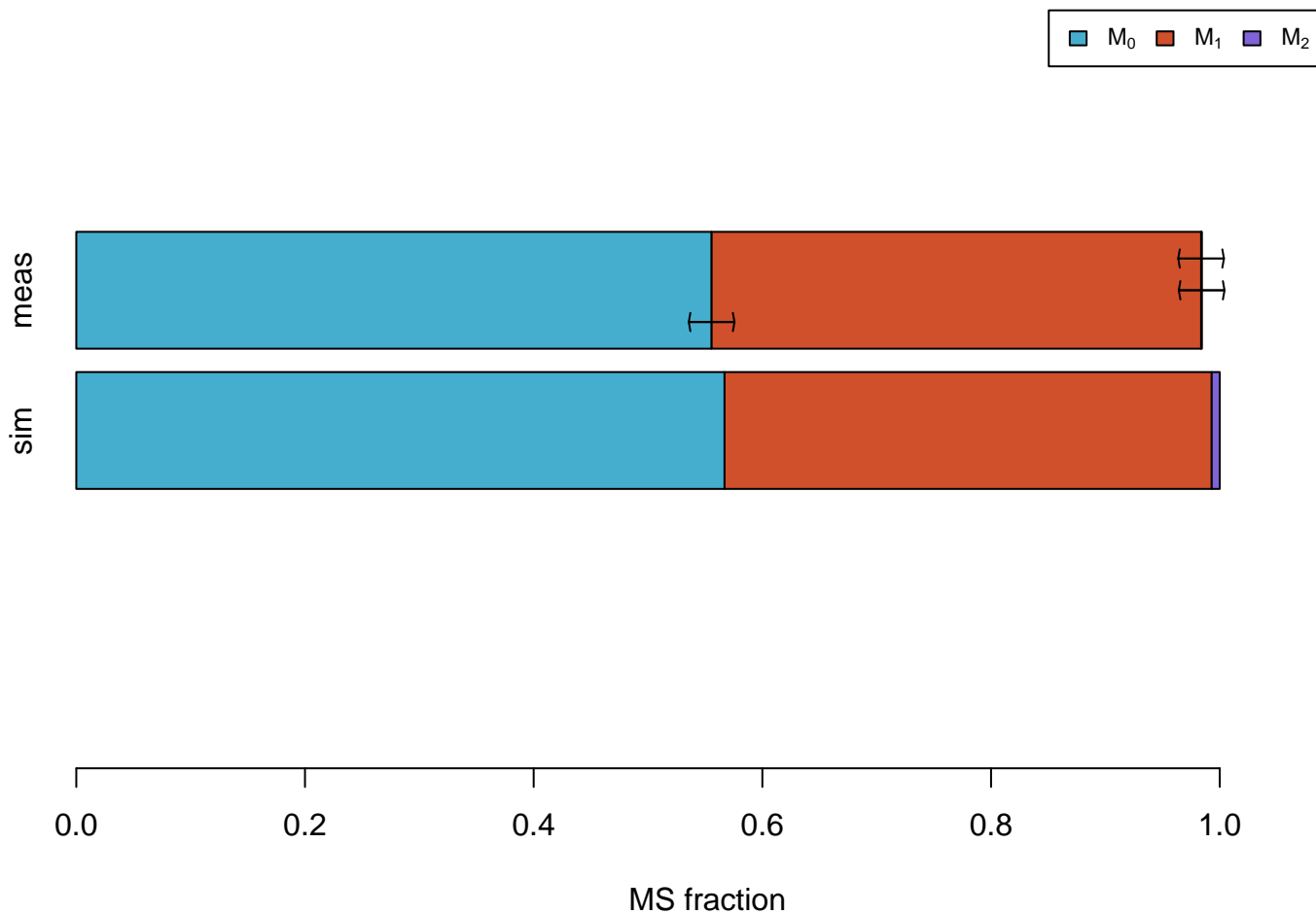


# Leu #011111



MS fraction

# Phe #110000000

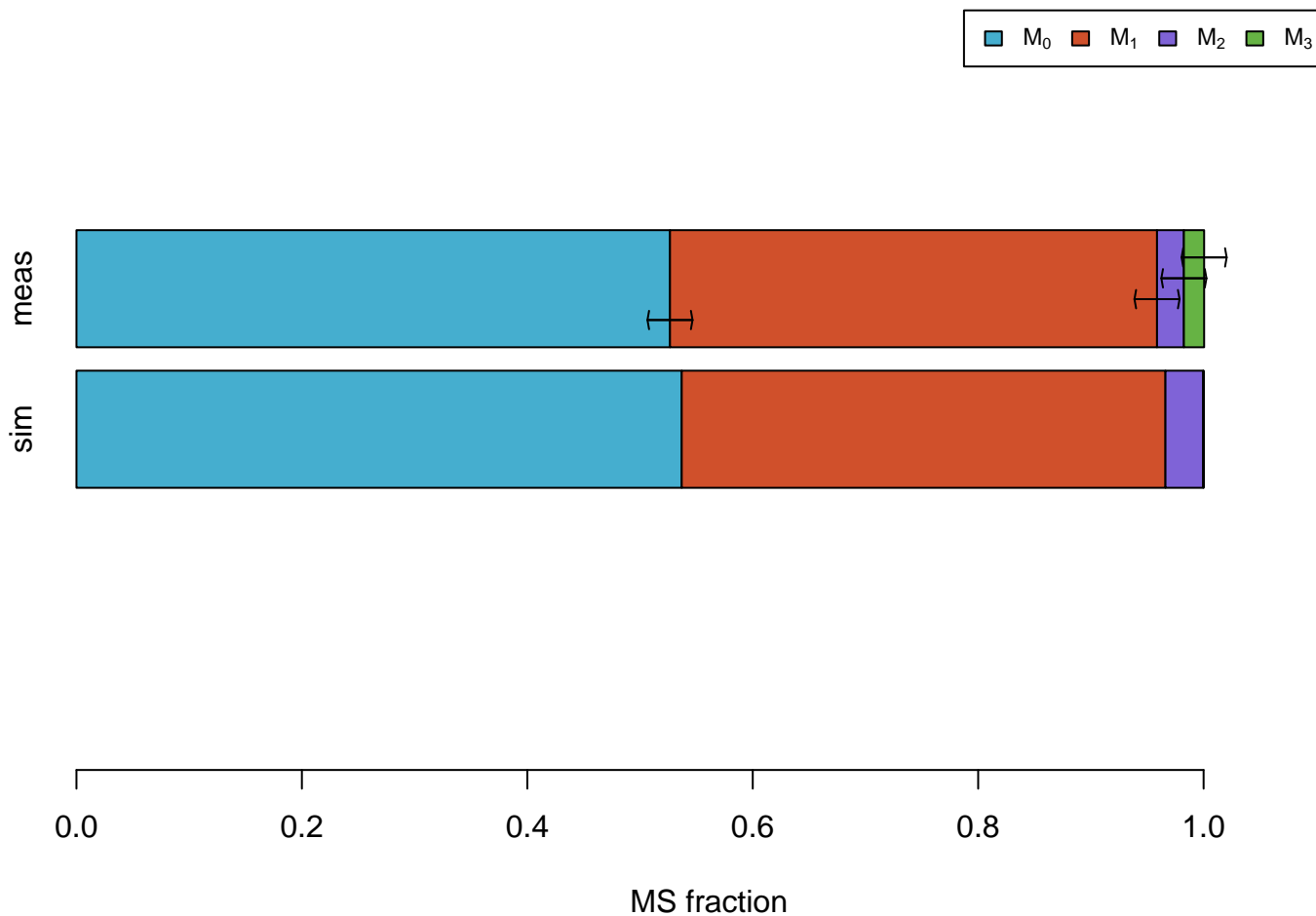


# Phe #011111111

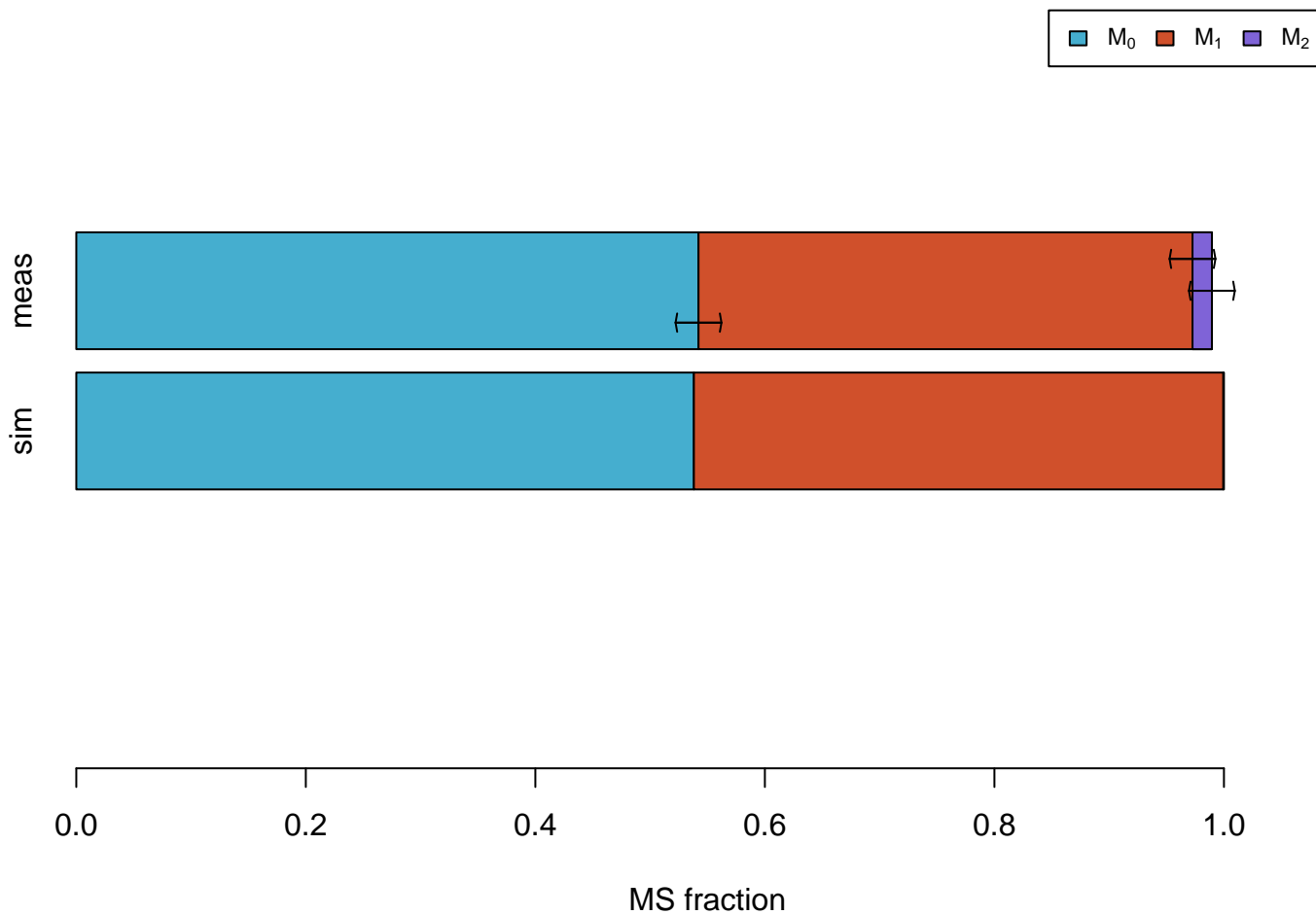


MS fraction

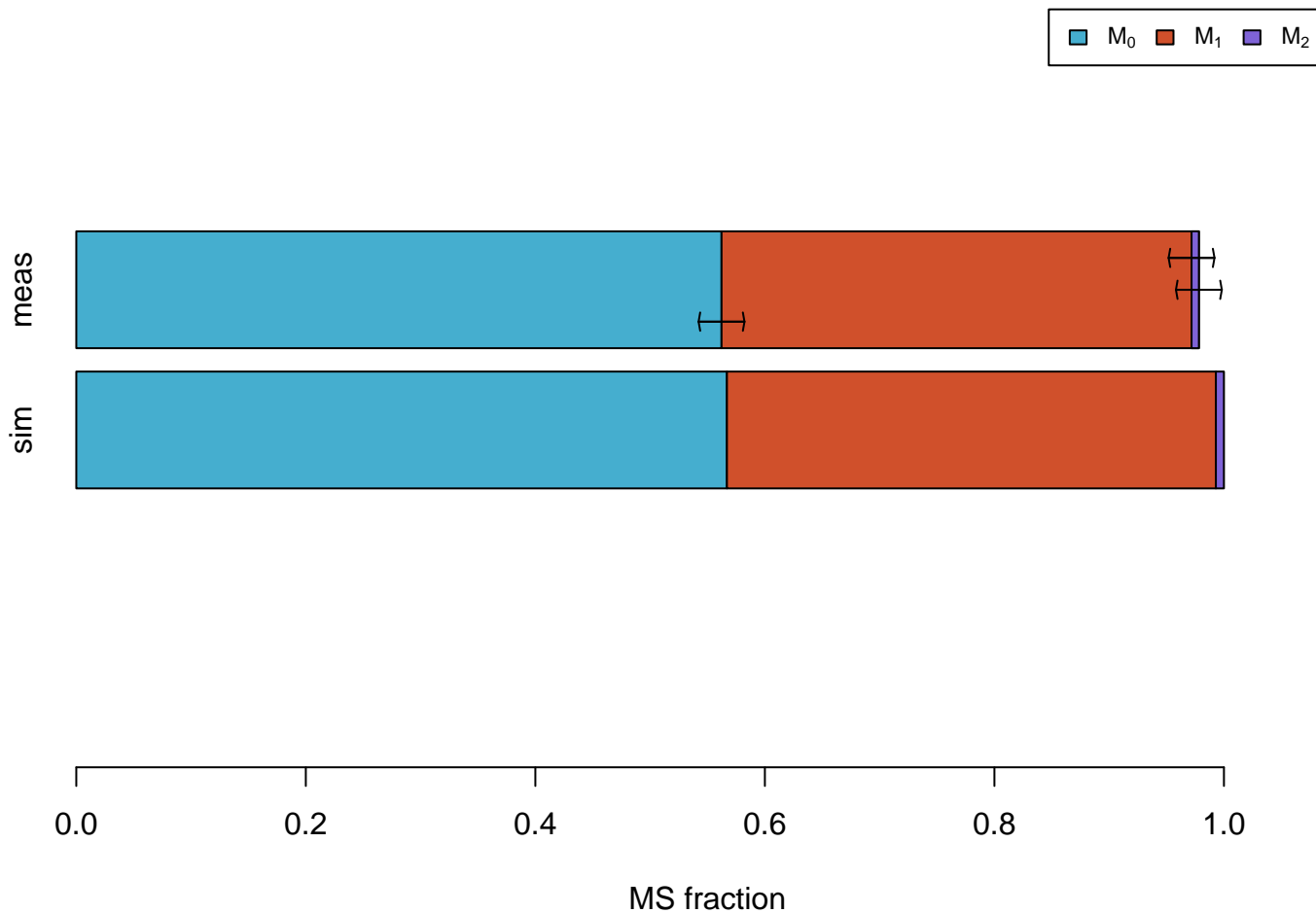
# Ser



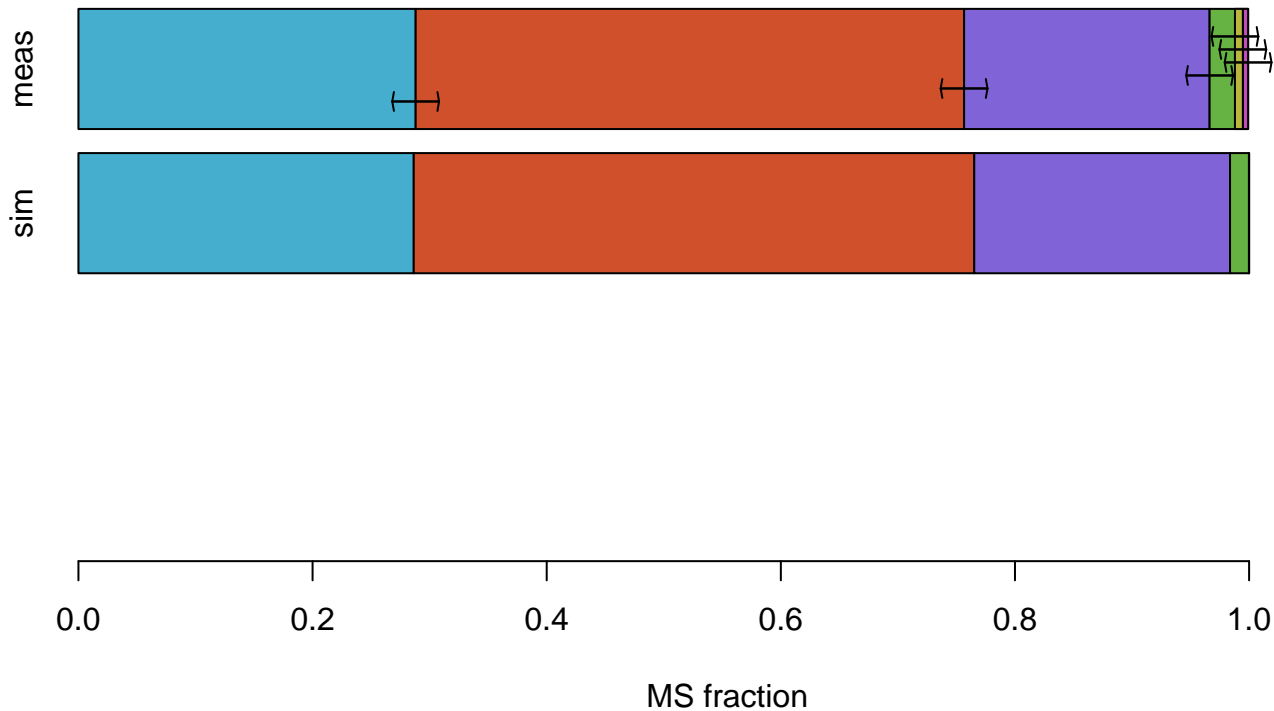
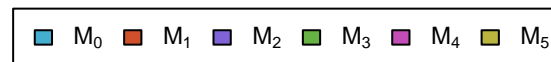
# Ser #011



# Tyr #110000000



Val



Val #01111



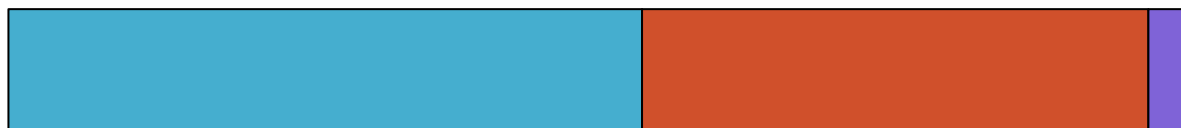
MS fraction

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

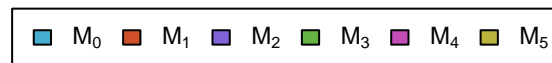


sim



MS fraction

# AKG



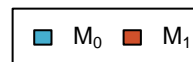
MS fraction

# Asn



MS fraction

# CO2



sim



MS fraction

# Cys



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

# DHAP



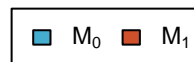
MS fraction

# E4P

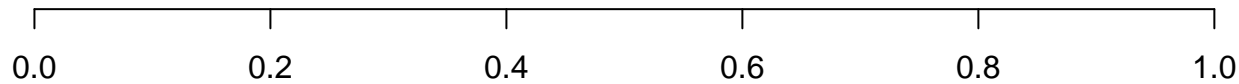


MS fraction

# FTHF

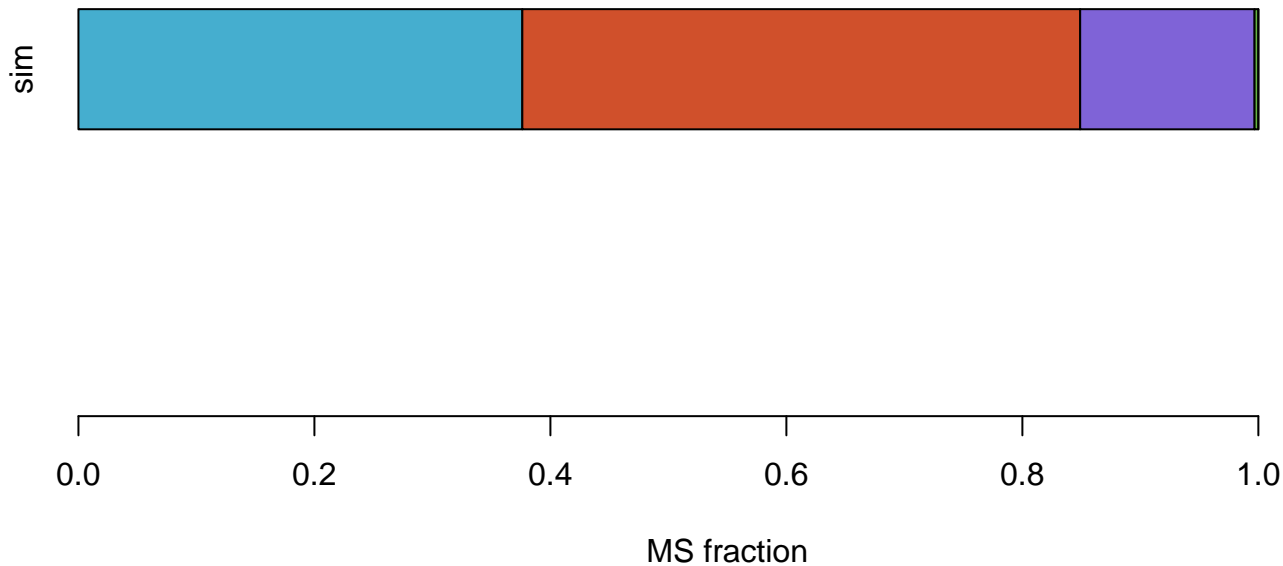


sim



MS fraction

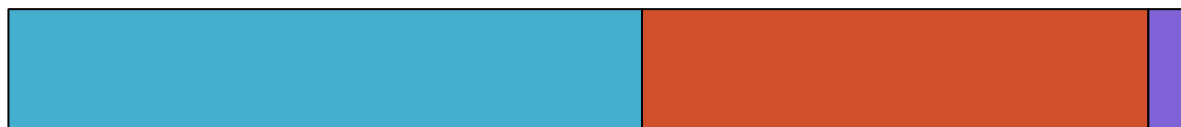
# Fum



# GAP



sim



0.0

0.2

0.4

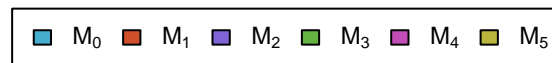
0.6

0.8

1.0

MS fraction

# Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

# Glyox

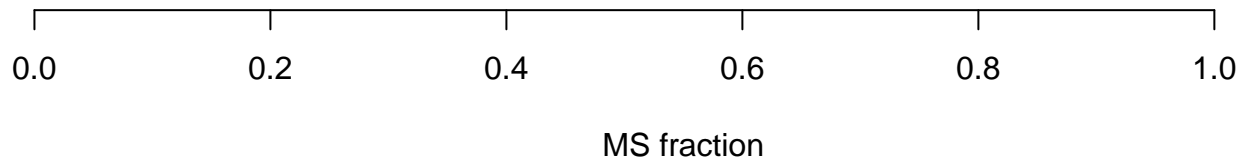


sim

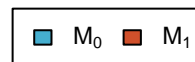


MS fraction

# Mal



# MEETHF



sim



0.0

0.2

0.4

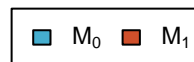
0.6

0.8

1.0

MS fraction

# METHF



sim



MS fraction

# OAC



MS fraction

# PEP

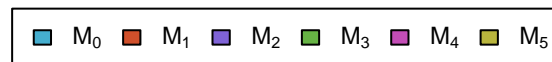


sim



MS fraction

Pro



sim



MS fraction

# Pyr



sim



0.0

0.2

0.4

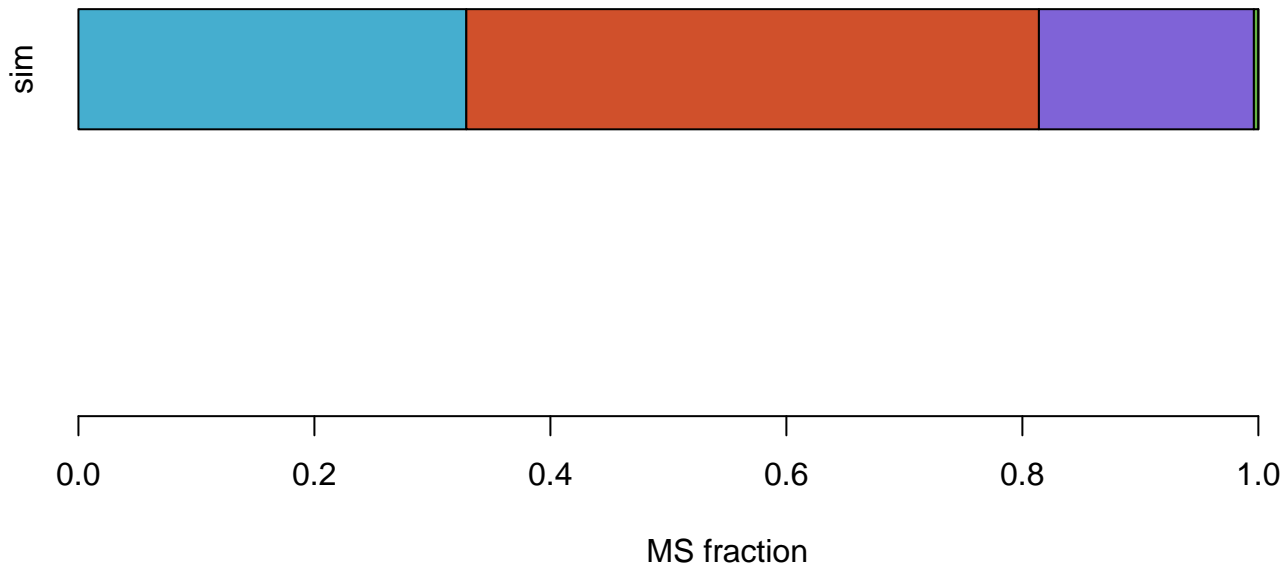
0.6

0.8

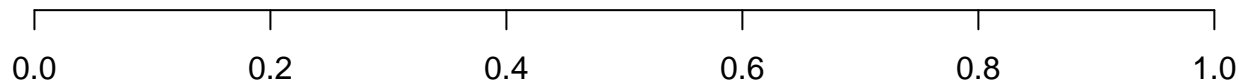
1.0

MS fraction

# Suc



# SucCoA



MS fraction

# TA-C3



MS fraction

Thr



sim



MS fraction

# TK-C2



sim



MS fraction