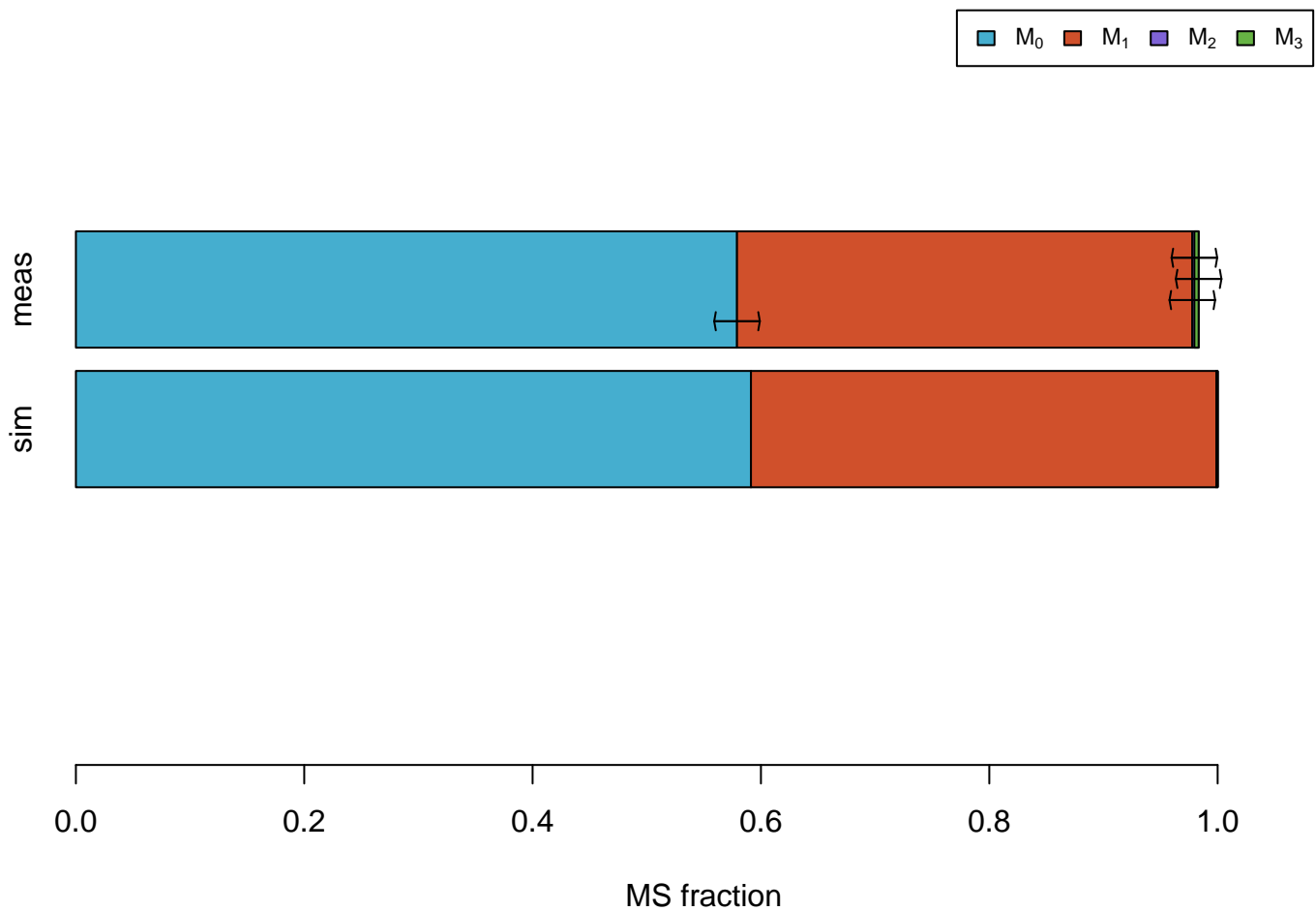
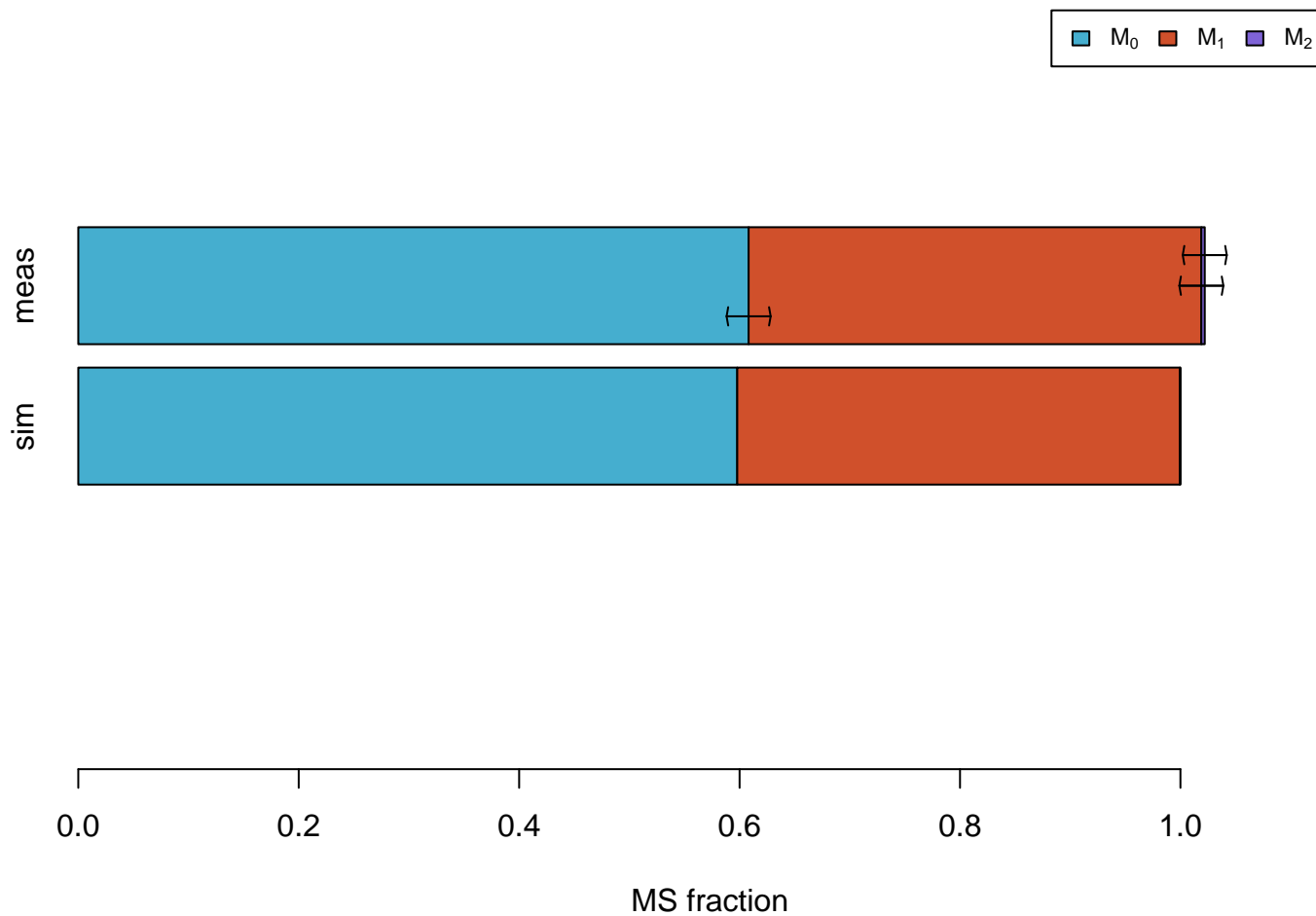


MS measurements  
(error bars= $\pm 2 \cdot \text{dev}$ )

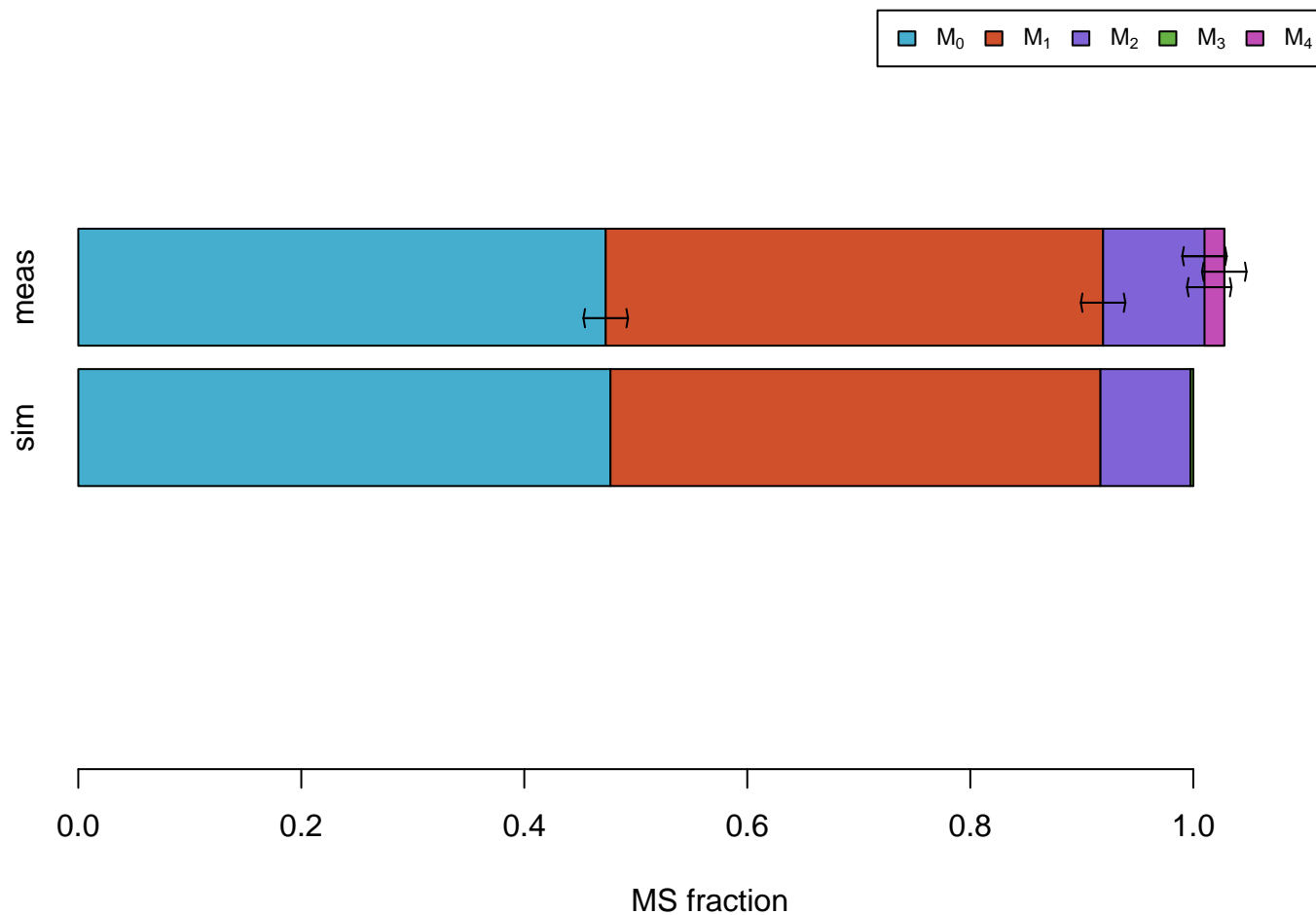
# Ala



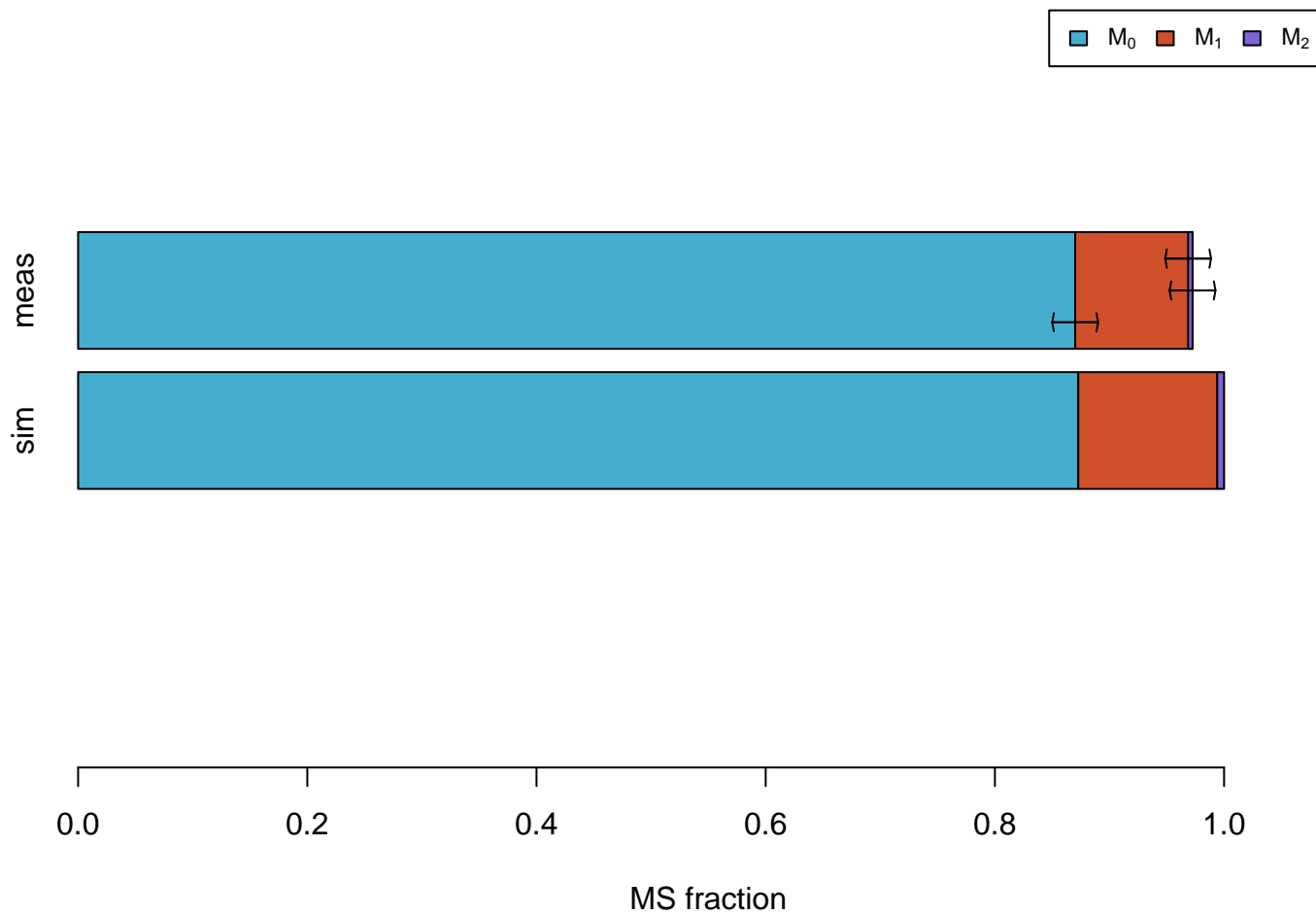
# Ala #011



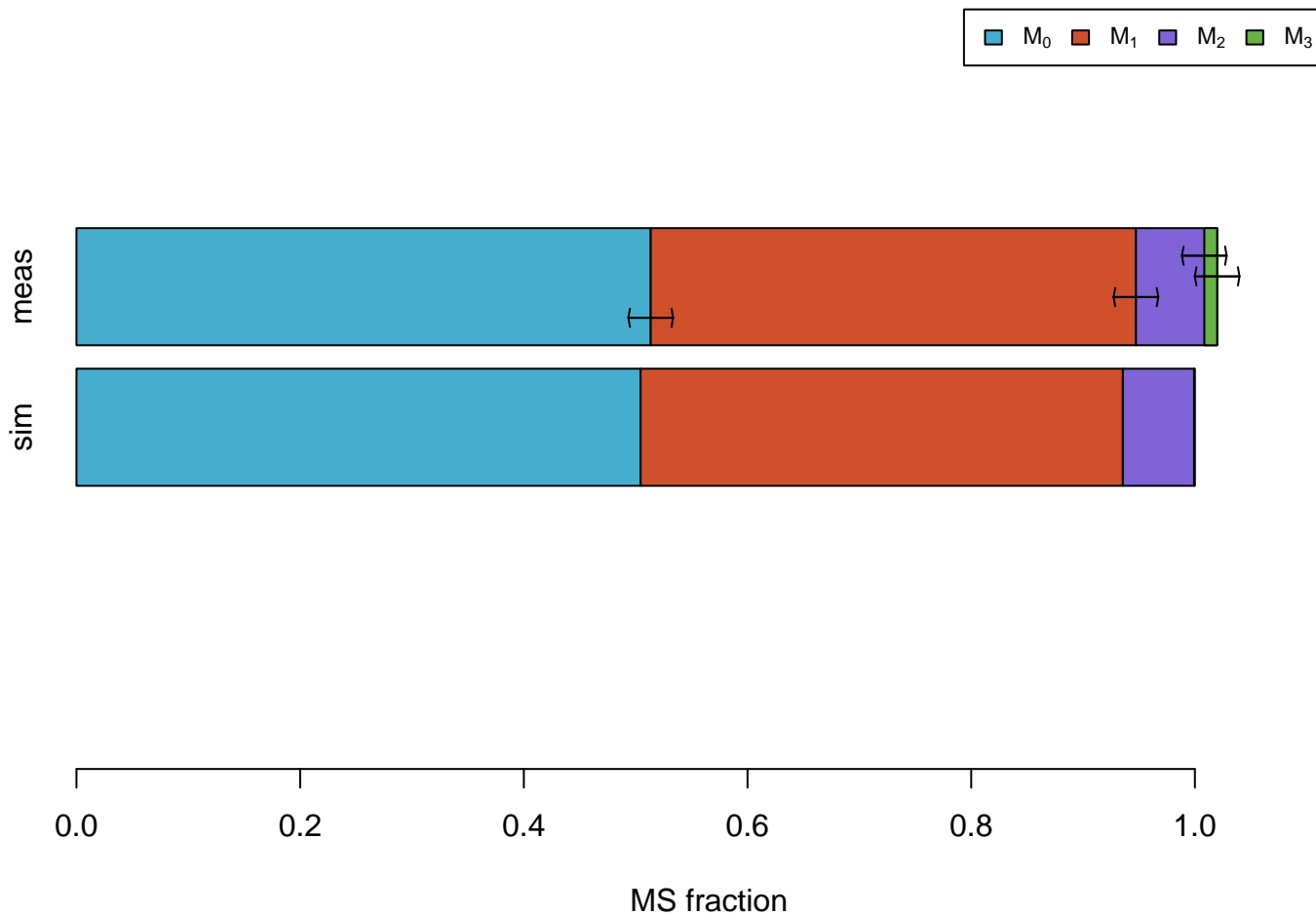
# Asp



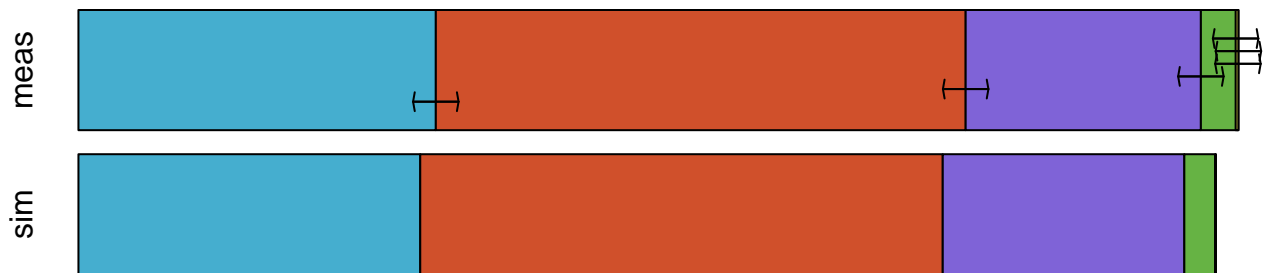
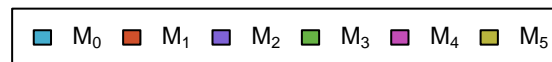
# Asp #1100



# Asp #0111

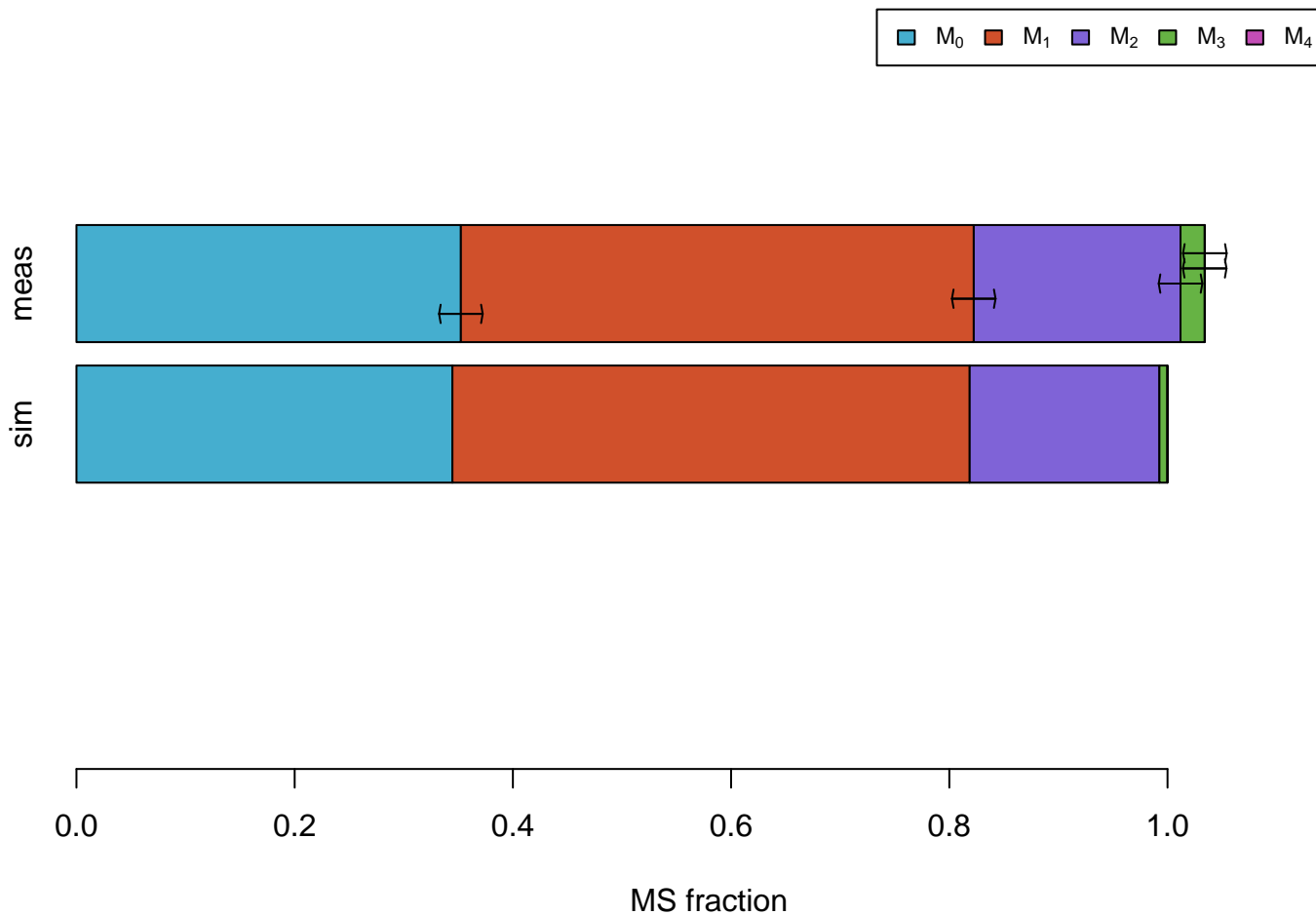


# Glu



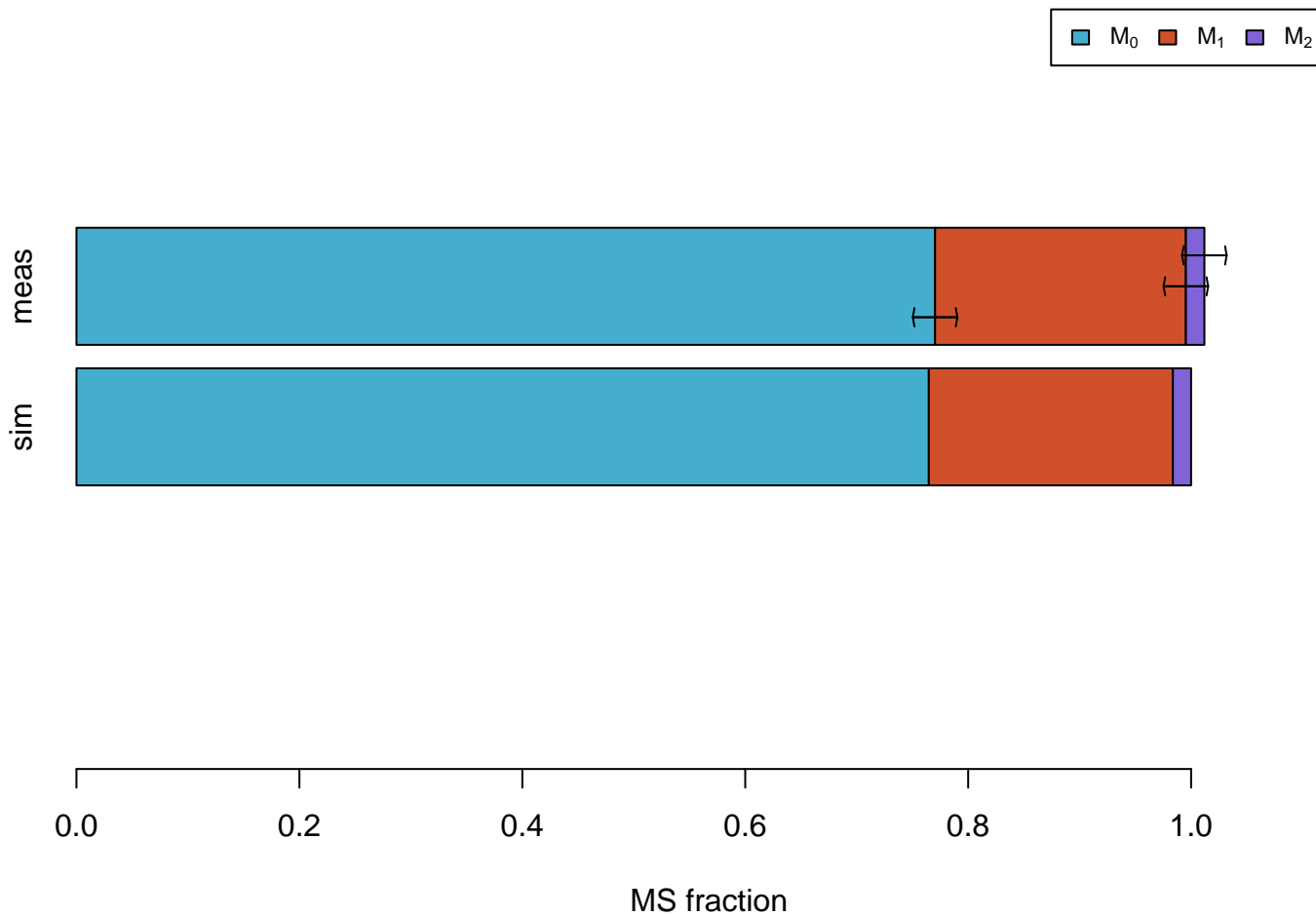
MS fraction

# Glu #01111

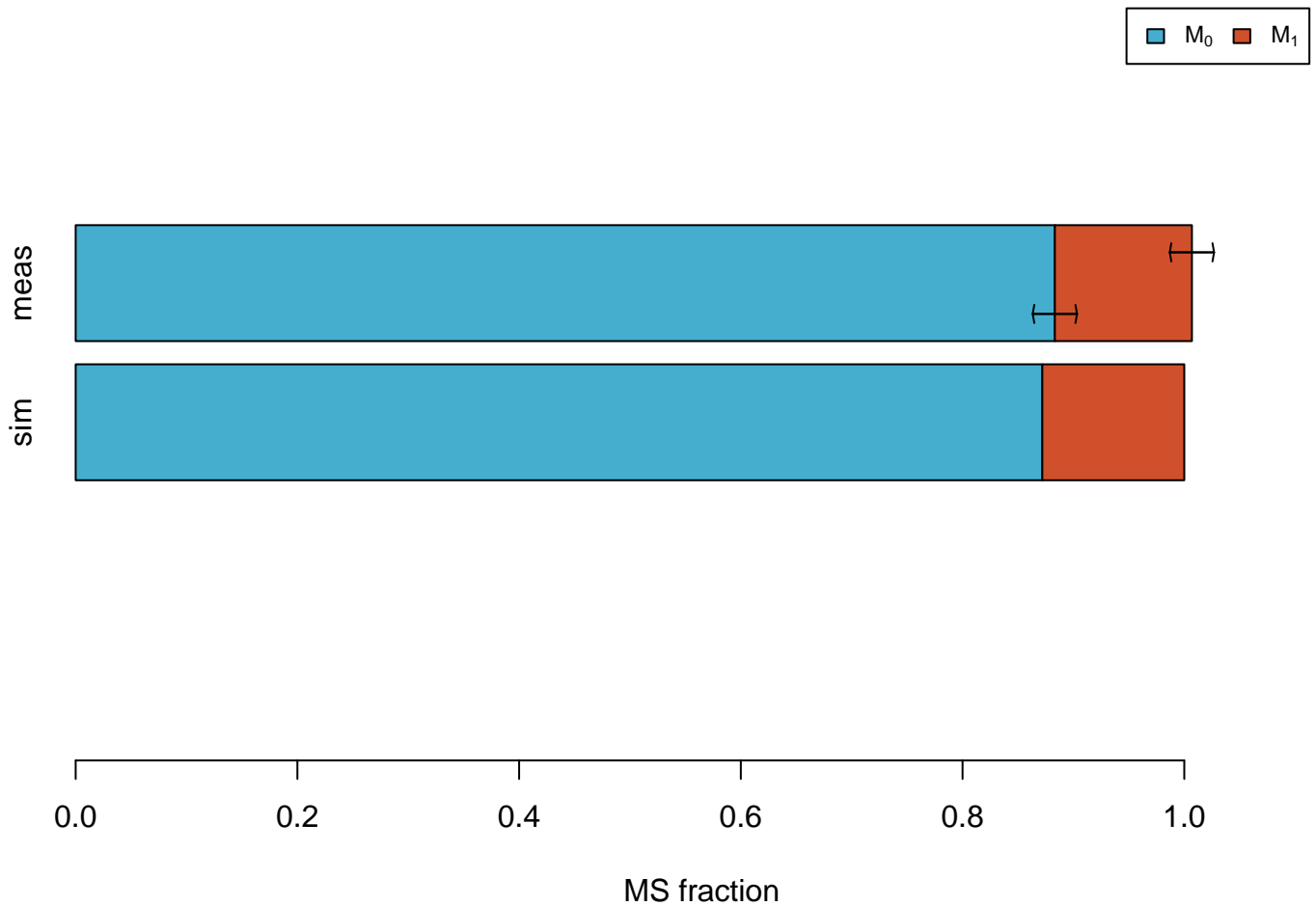




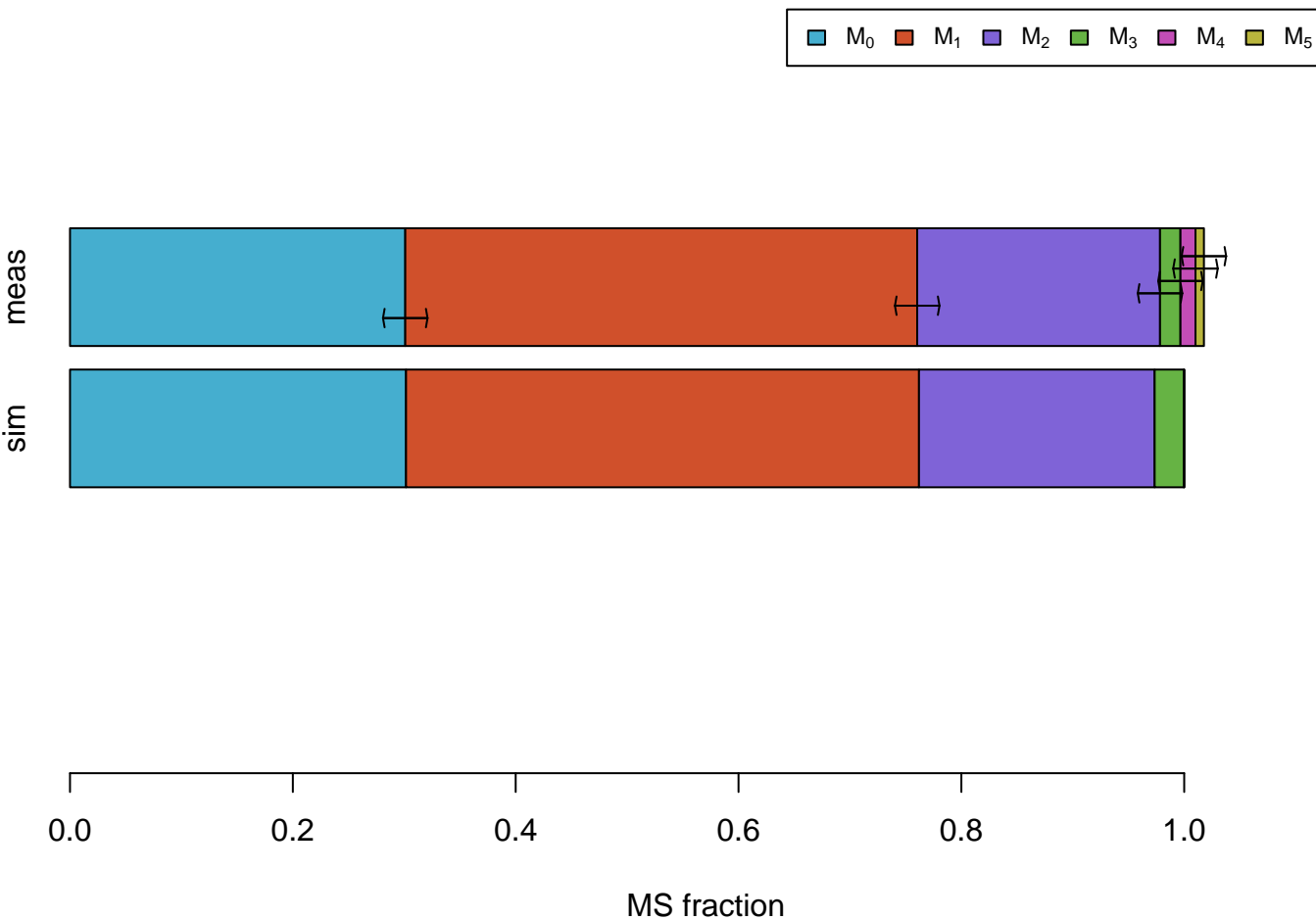
# Gly



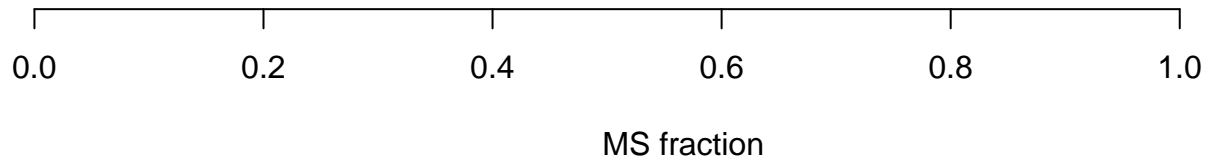
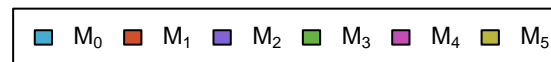
# Gly #01



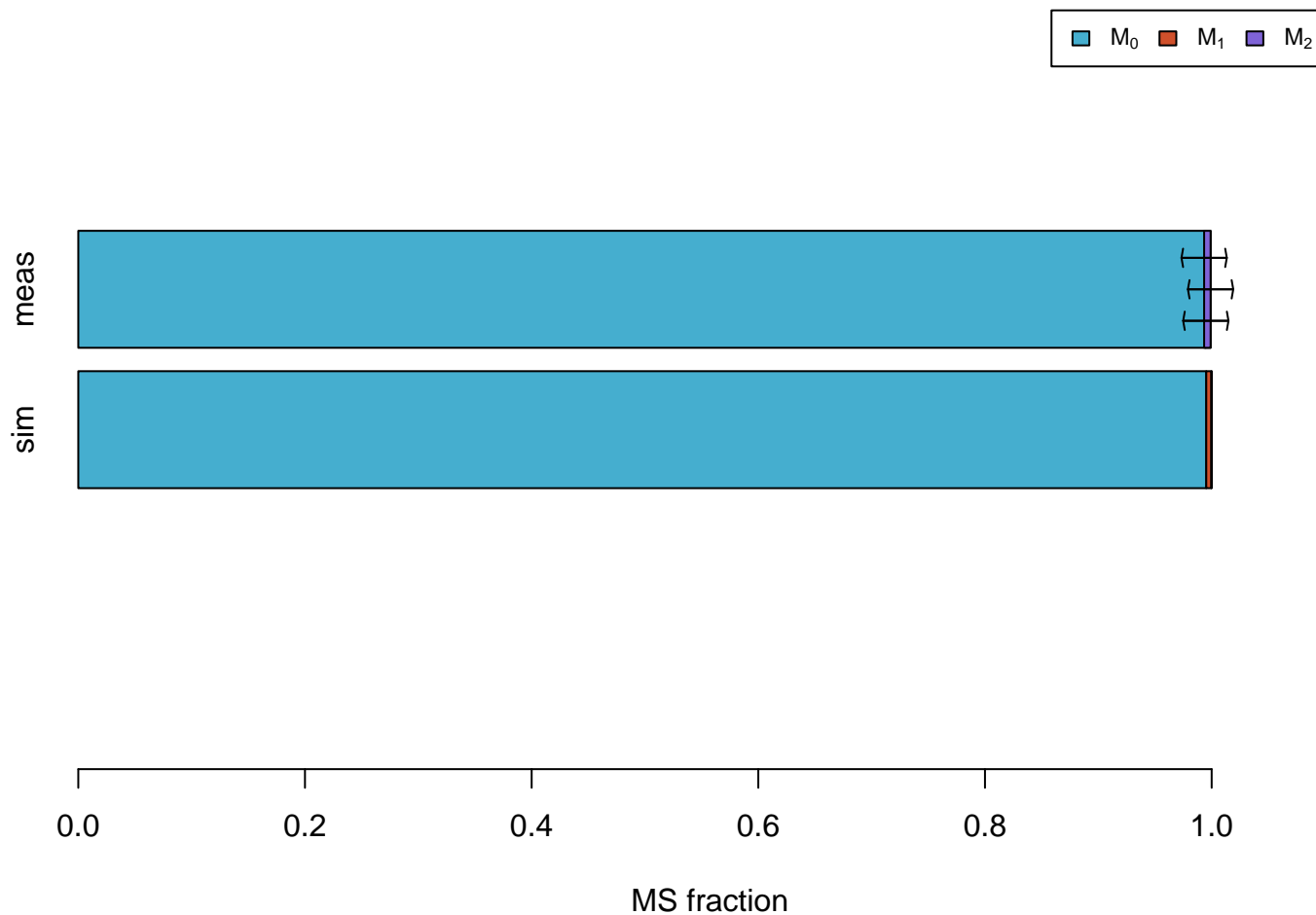
# Ile #011111



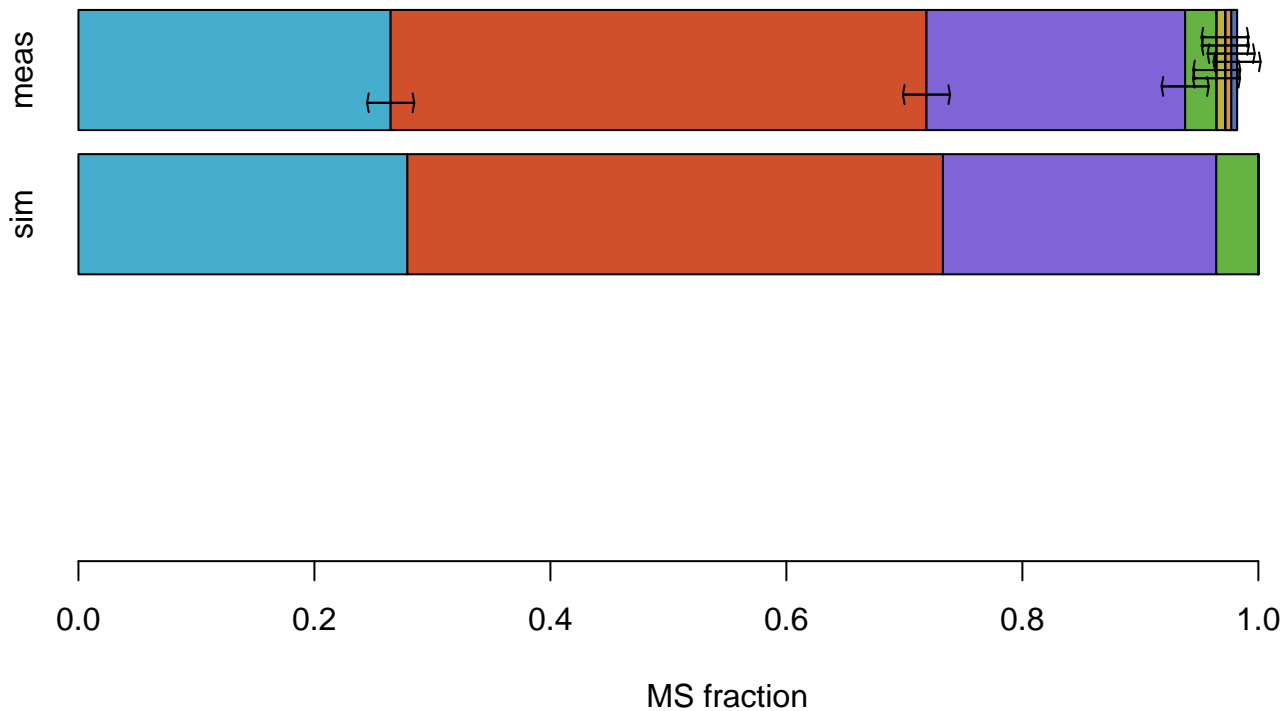
# Leu #011111



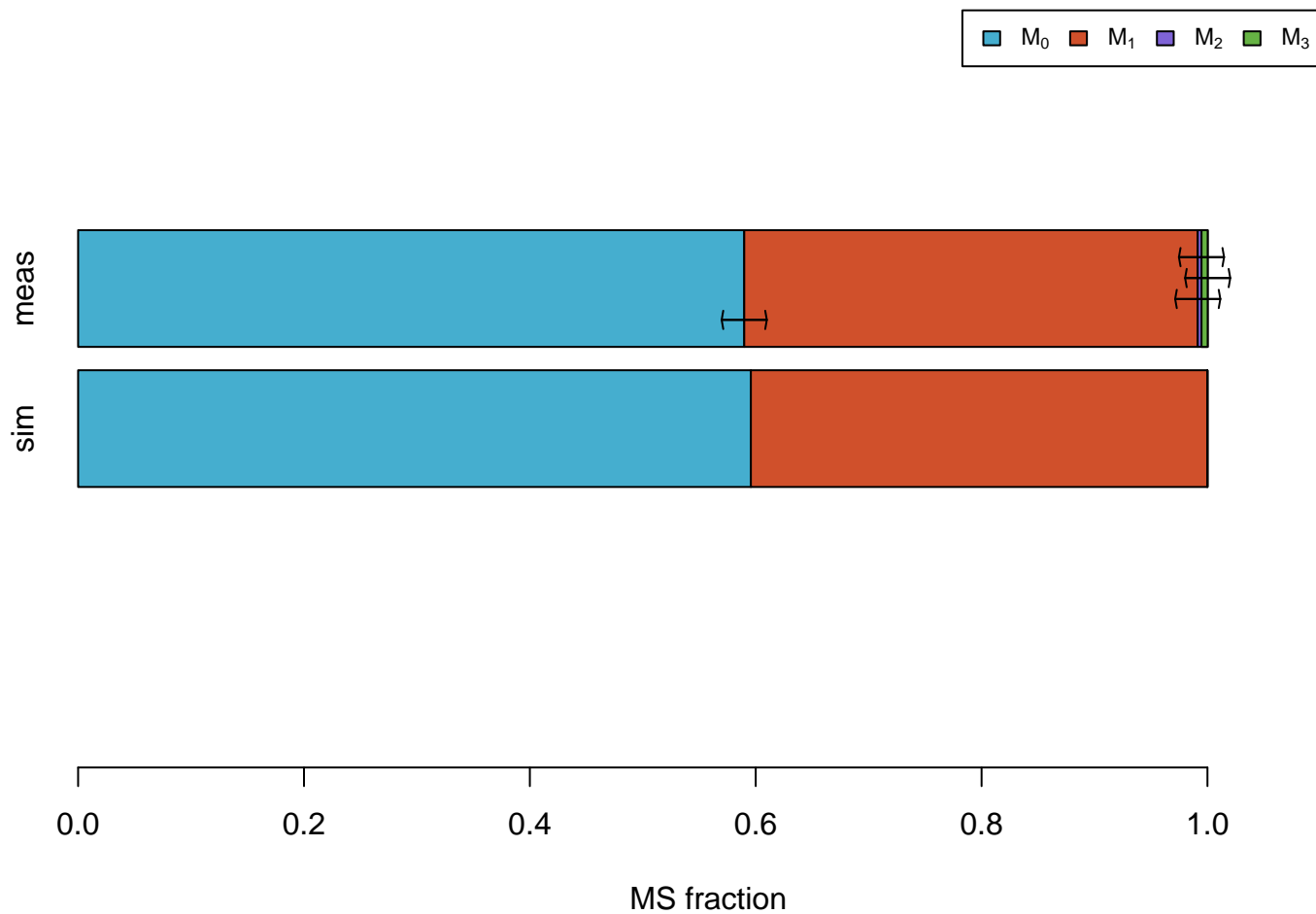
# Phe #110000000



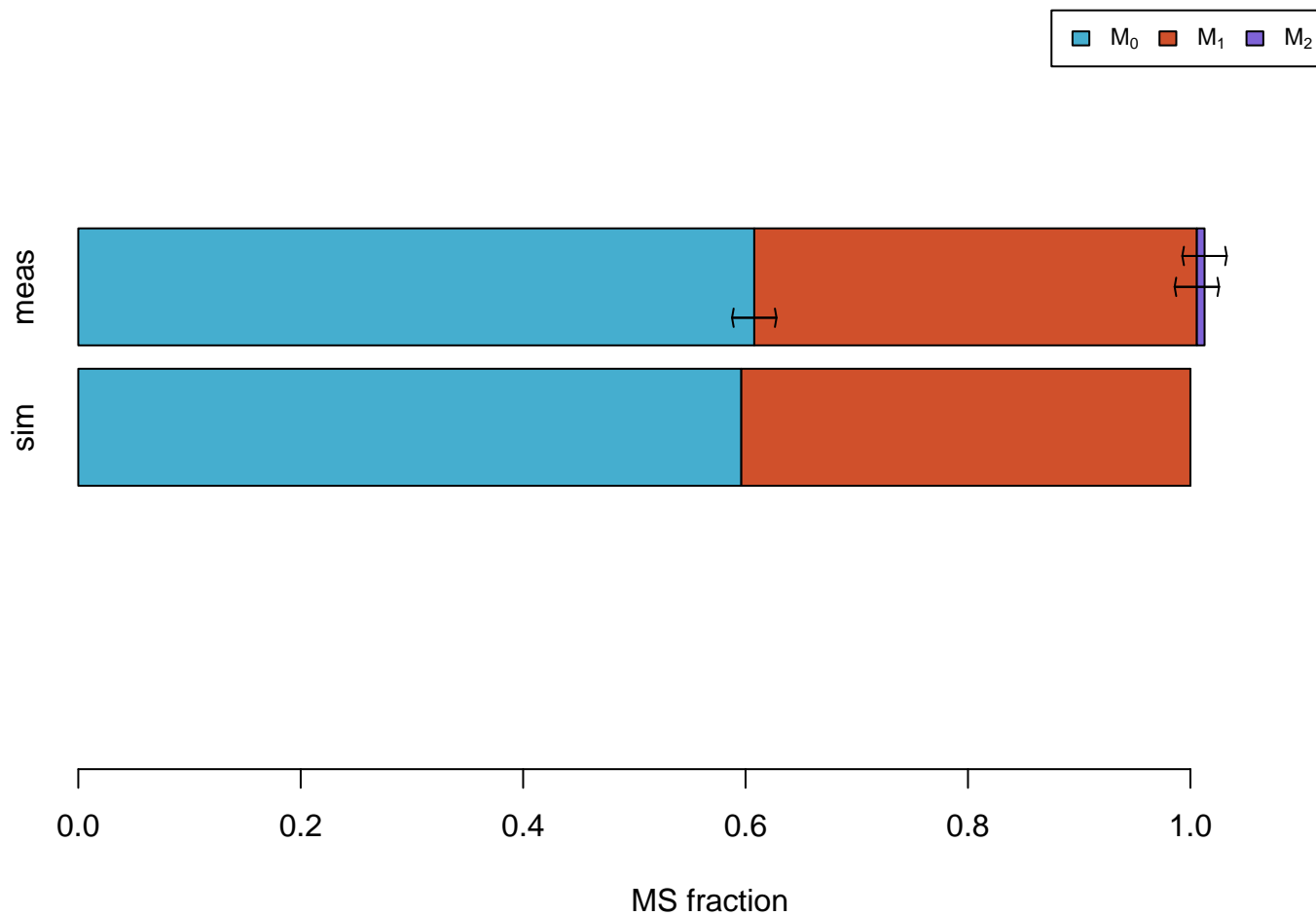
# Phe #011111111



# Ser

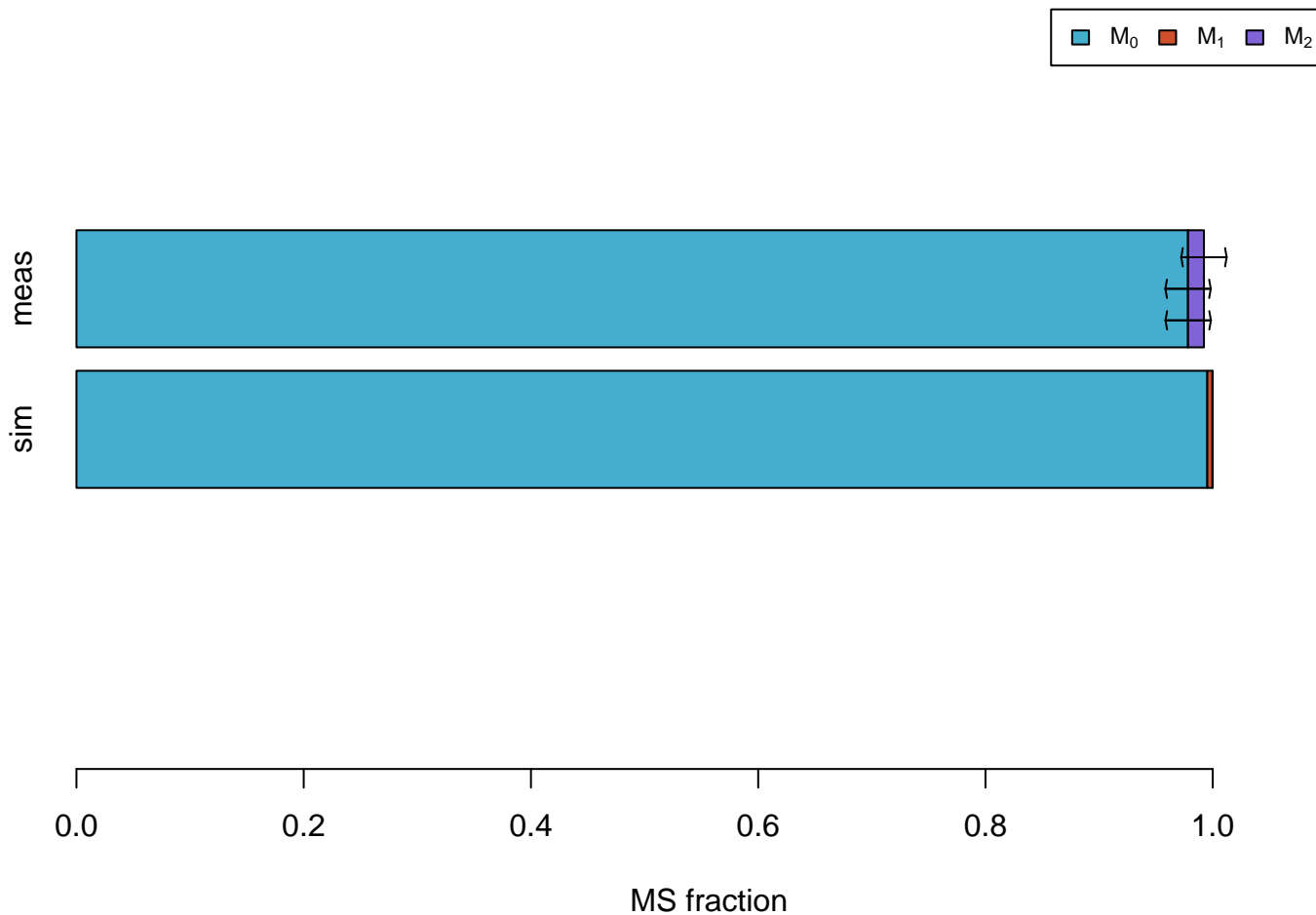


# Ser #011





# Tyr #110000000



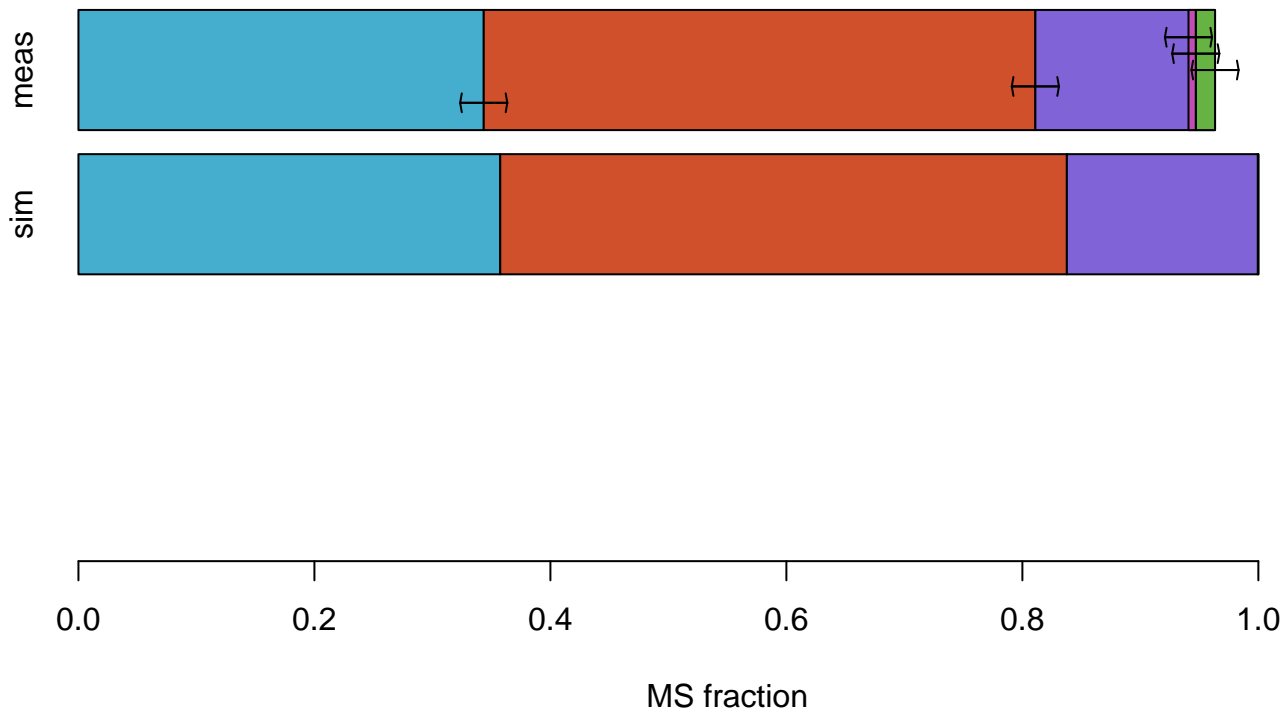
Val



0.0 0.2 0.4 0.6 0.8 1.0

MS fraction

Val #01111



MS simulations

# 3PG



sim



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



MS fraction

# DHAP



MS fraction

# E4P



MS fraction

# FTHF

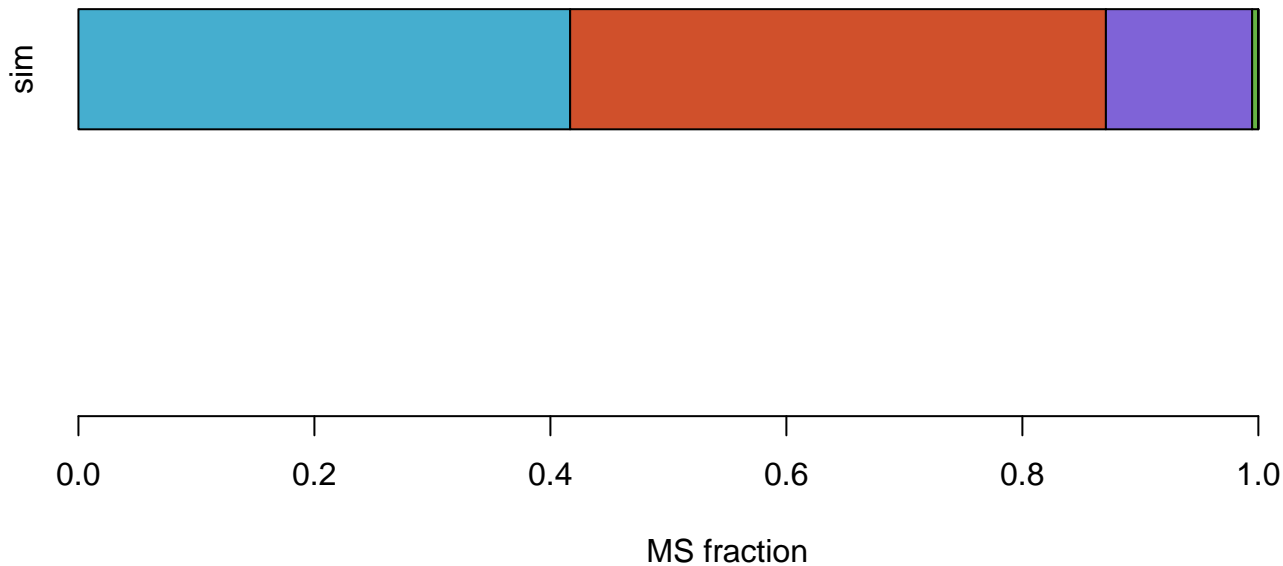


sim



MS fraction

# Fum



# GAP



MS fraction



Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

# Glyox



MS fraction

# Mal



sim



MS fraction

# MEETHF



sim



0.0

0.2

0.4

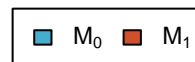
0.6

0.8

1.0

MS fraction

# METHF



sim



MS fraction

# OAC



sim



MS fraction

# PEP



MS fraction

Pro



sim



MS fraction



Pyr



sim



MS fraction

# Suc



MS fraction

# SucCoA



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

# TA-C3



MS fraction

Thr



sim



MS fraction

# TK-C2



sim



MS fraction