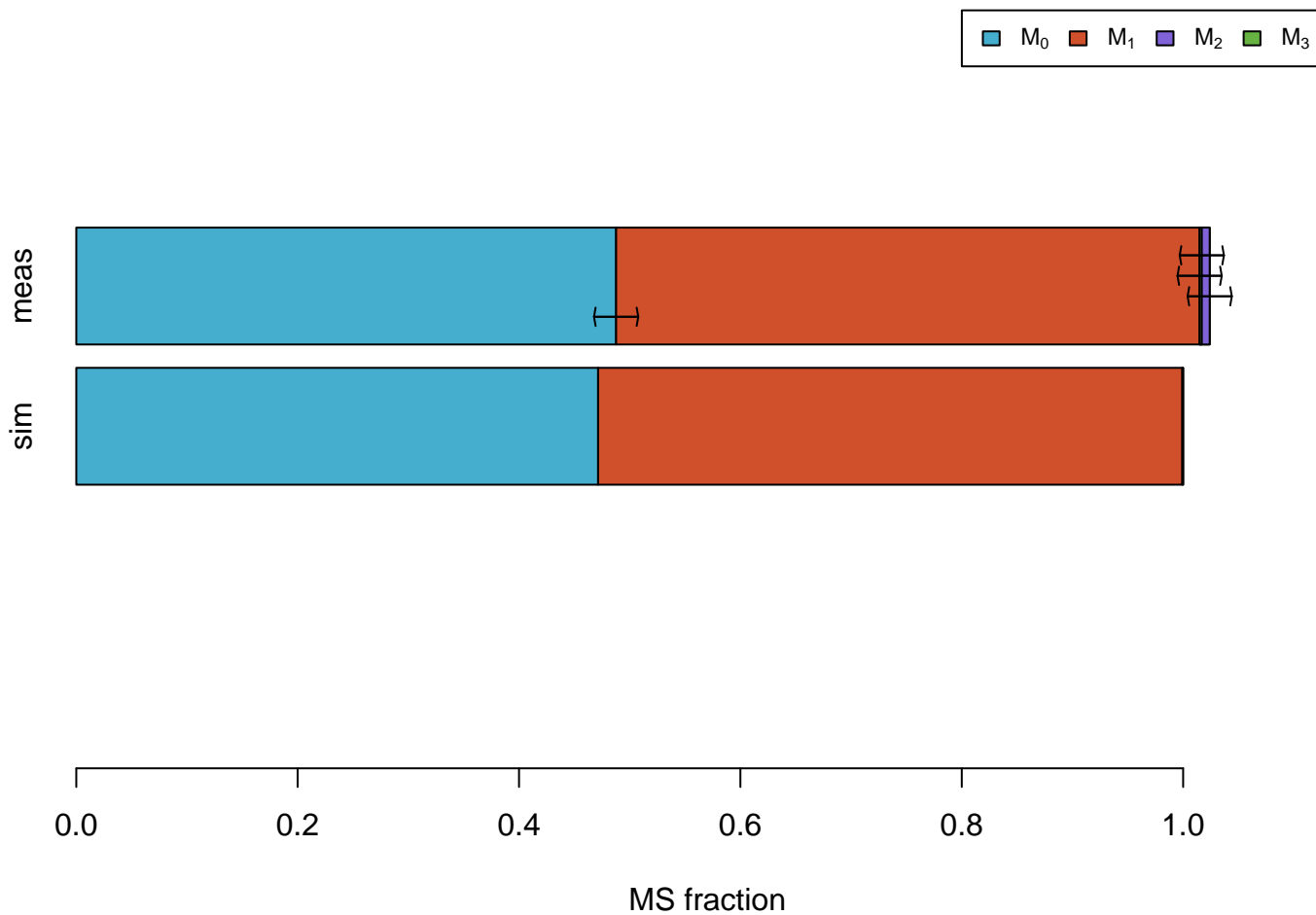
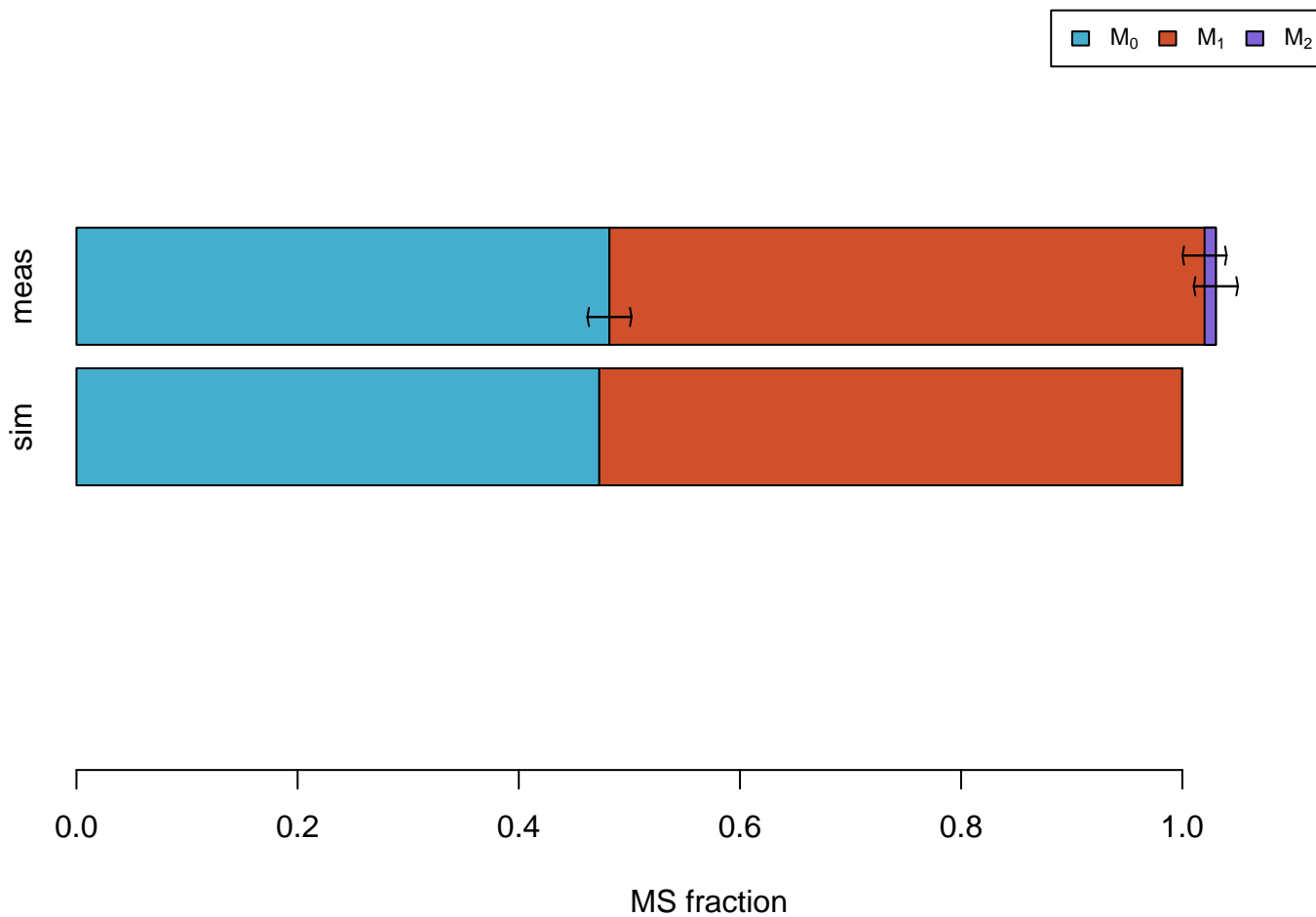


MS measurements  
(error bars= $\pm 2 \cdot \text{dev}$ )

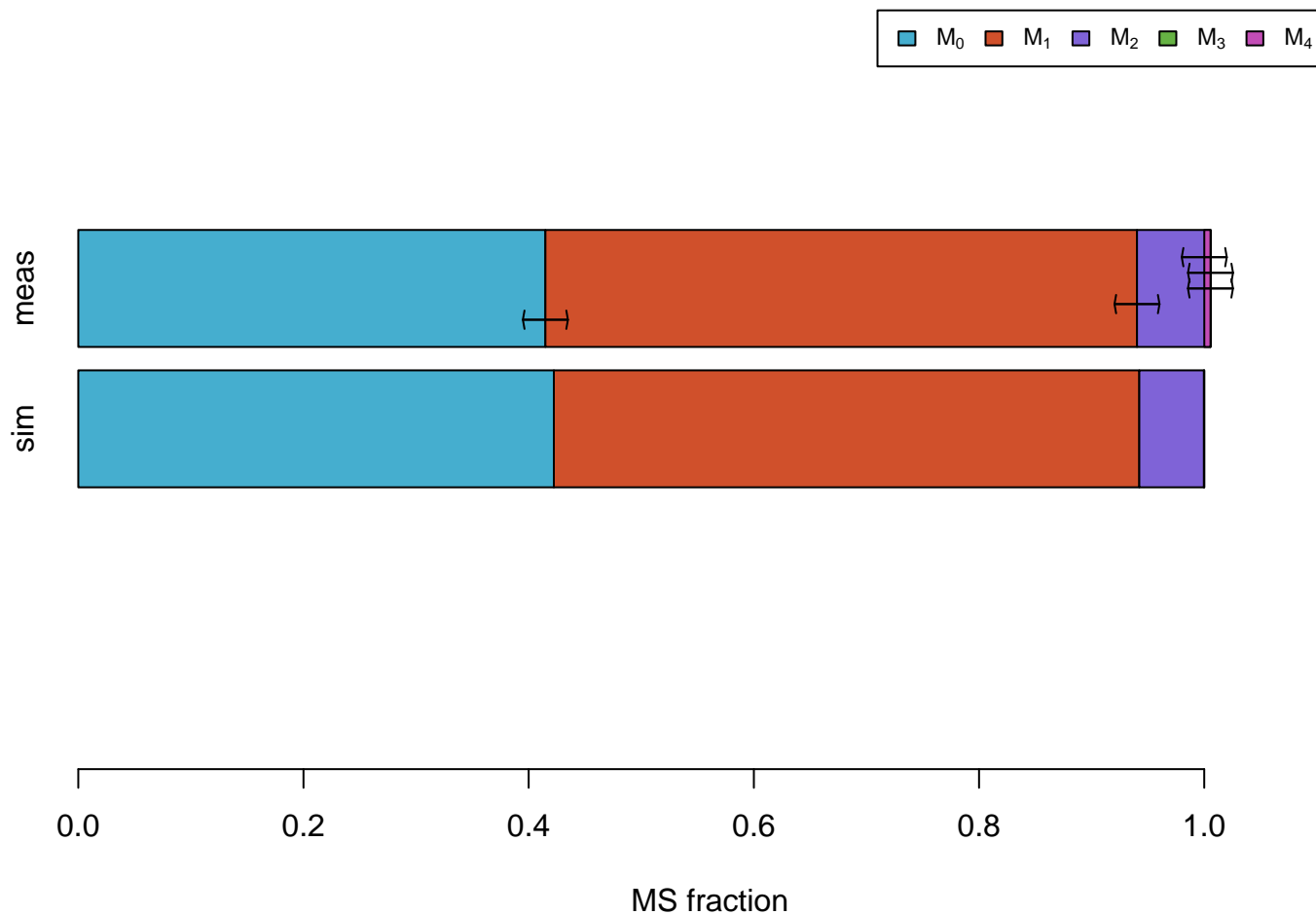
# Ala



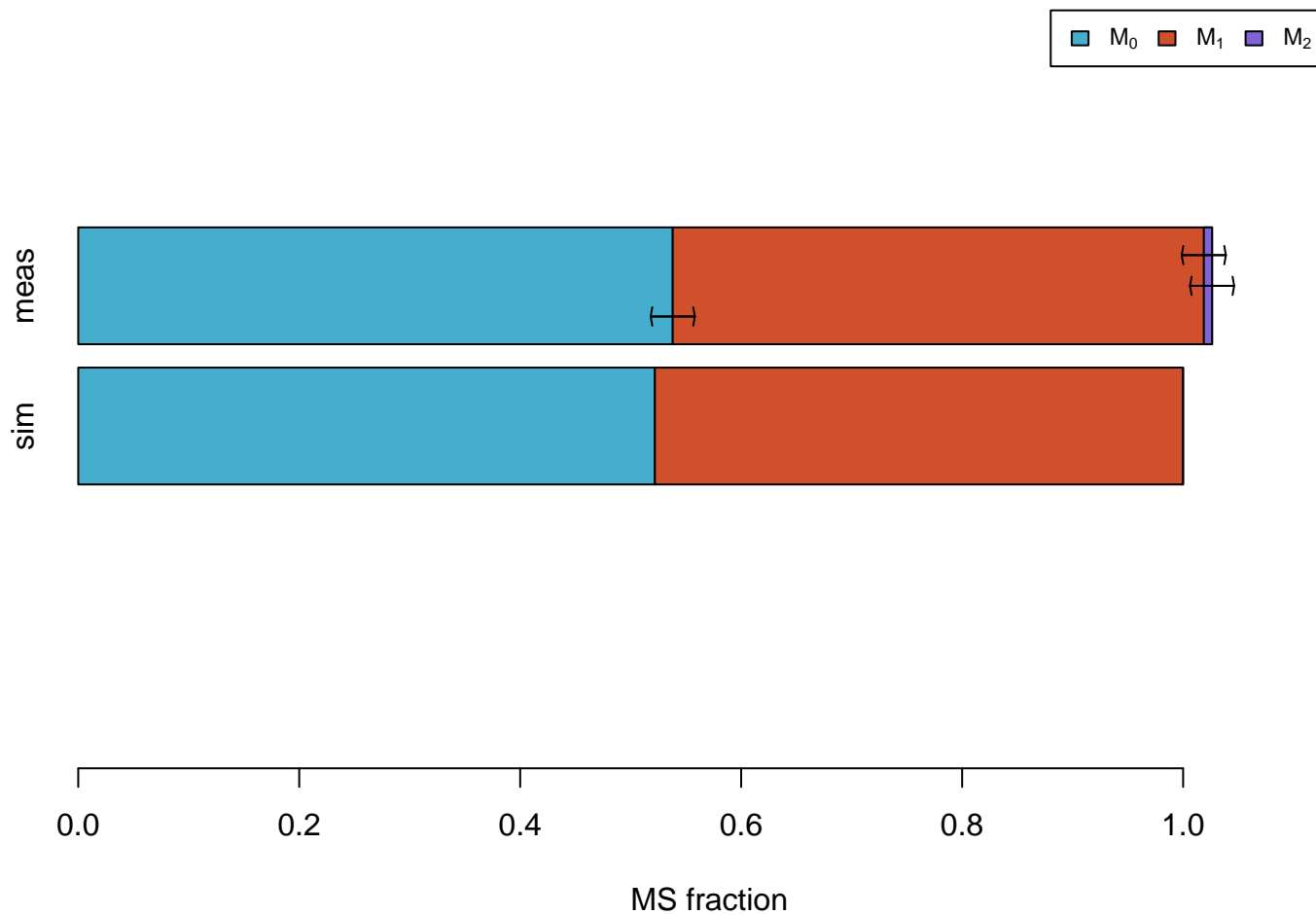
# Ala #011



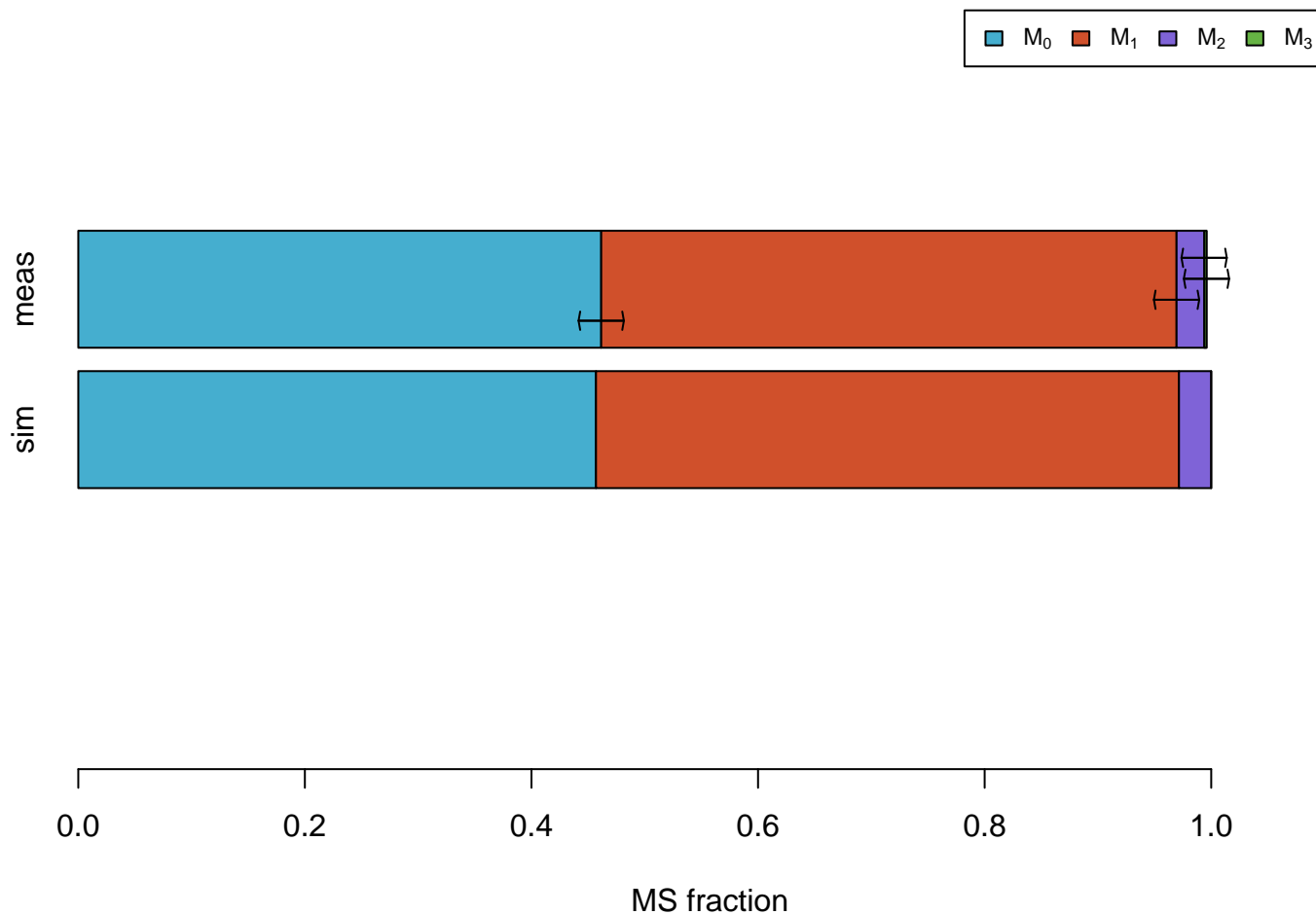
# Asp



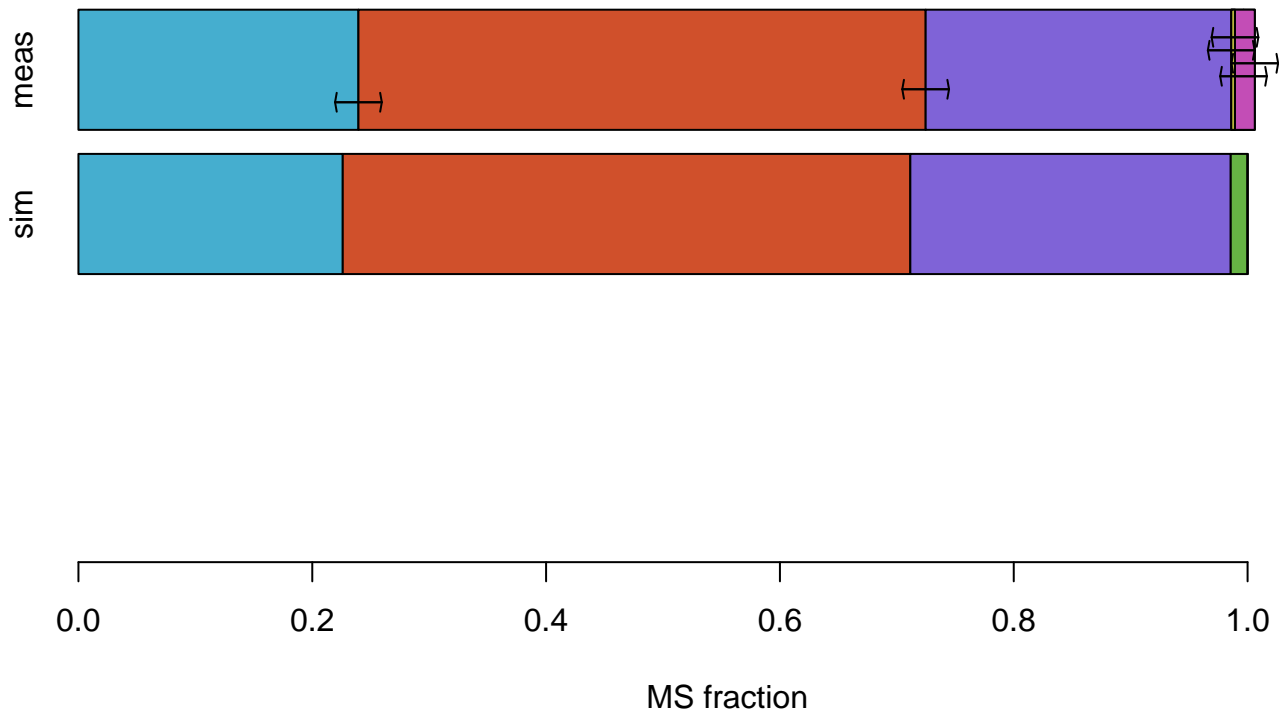
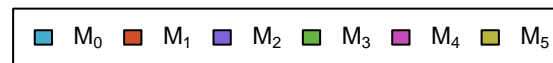
# Asp #1100



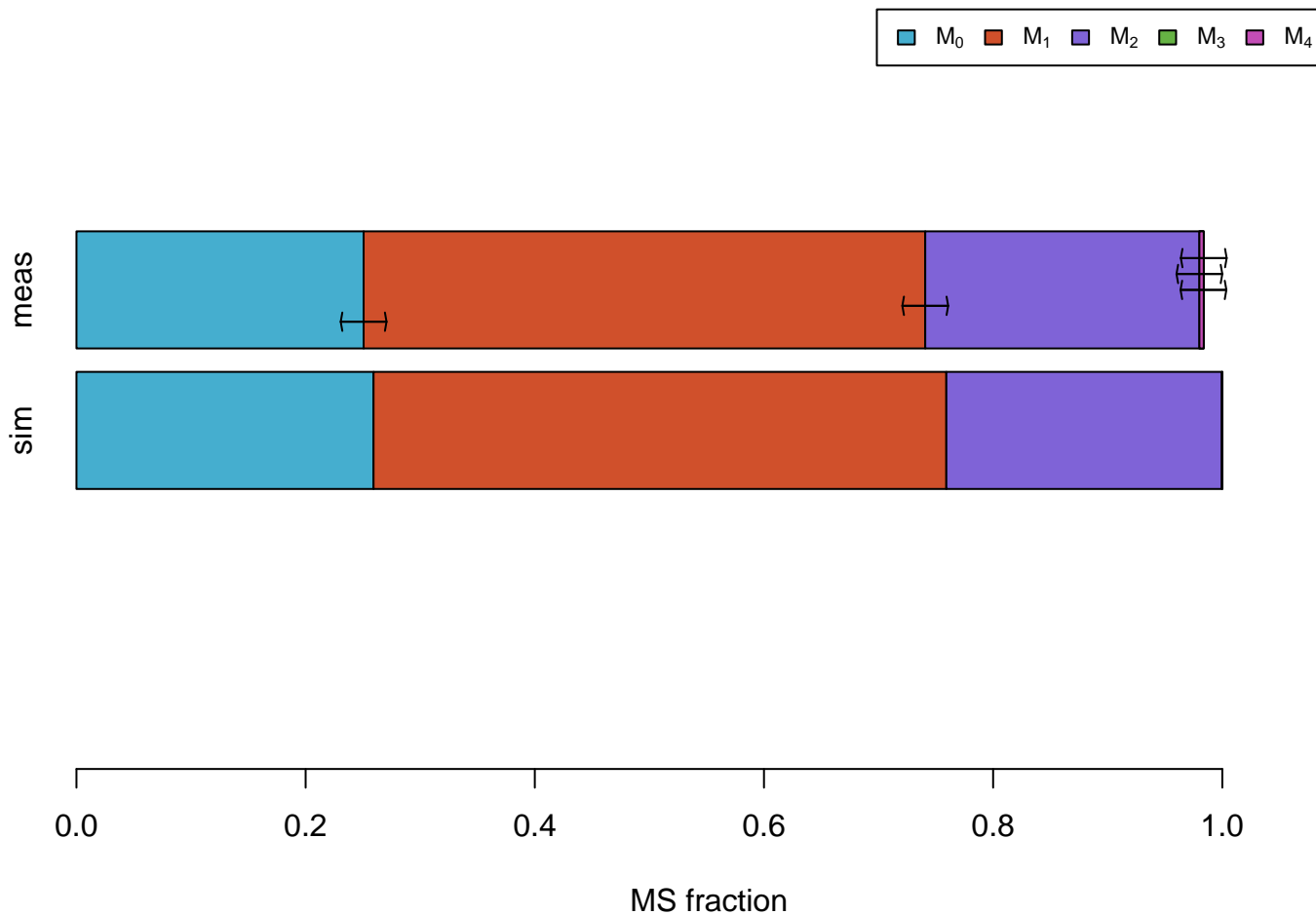
# Asp #0111



# Glu

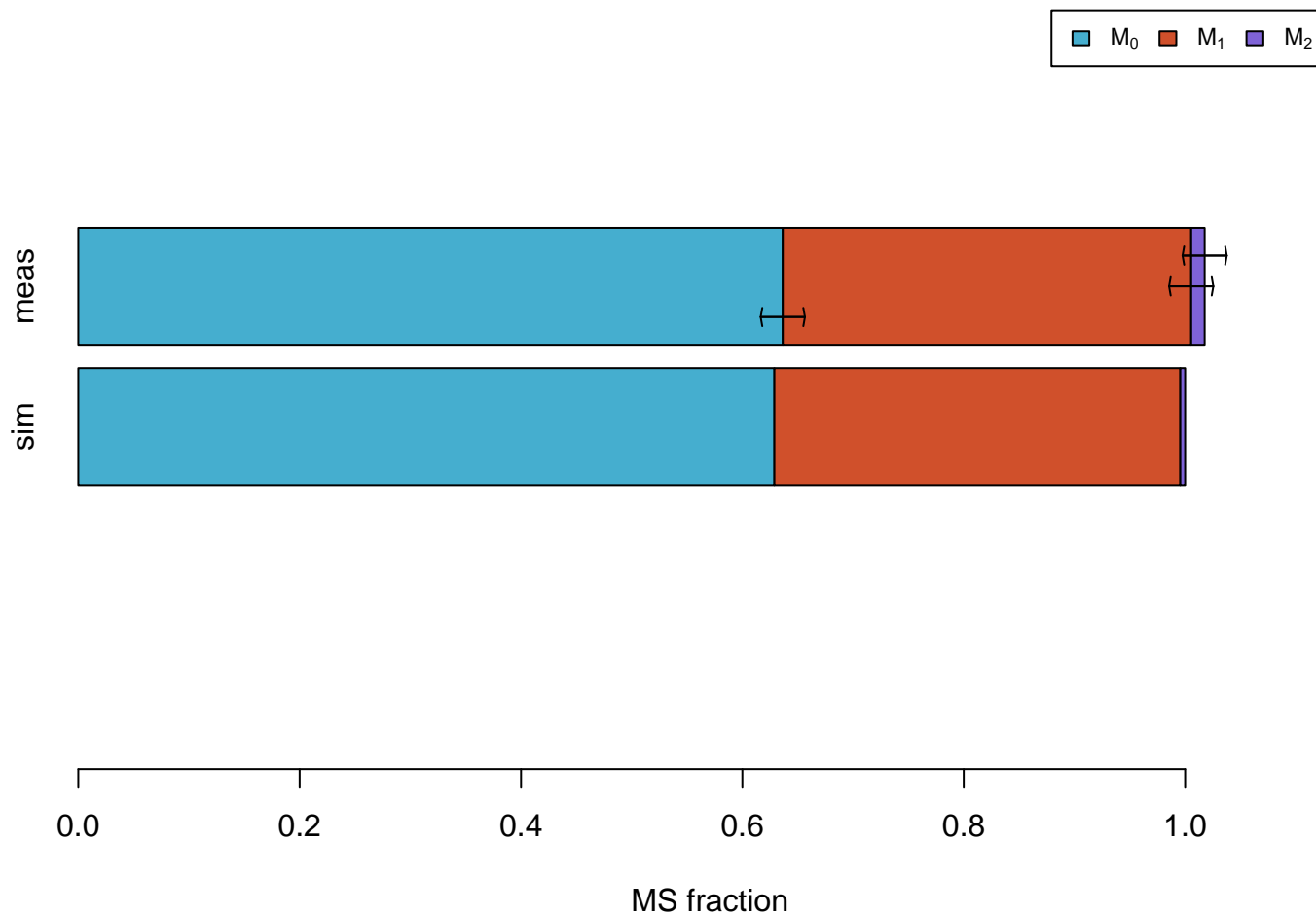


# Glu #01111

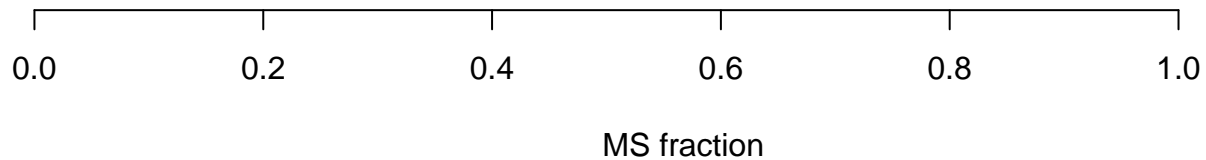
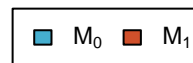




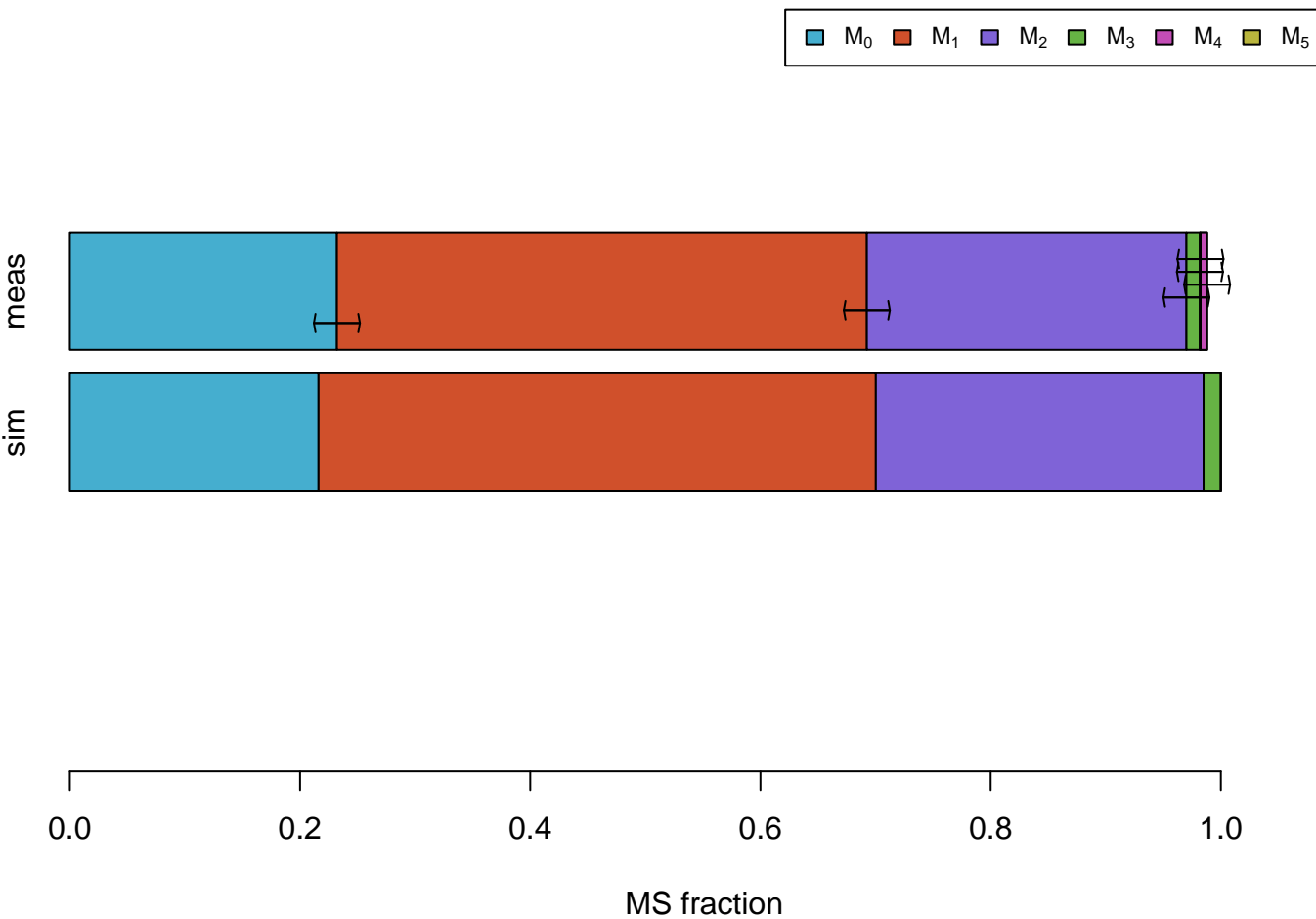
# Gly



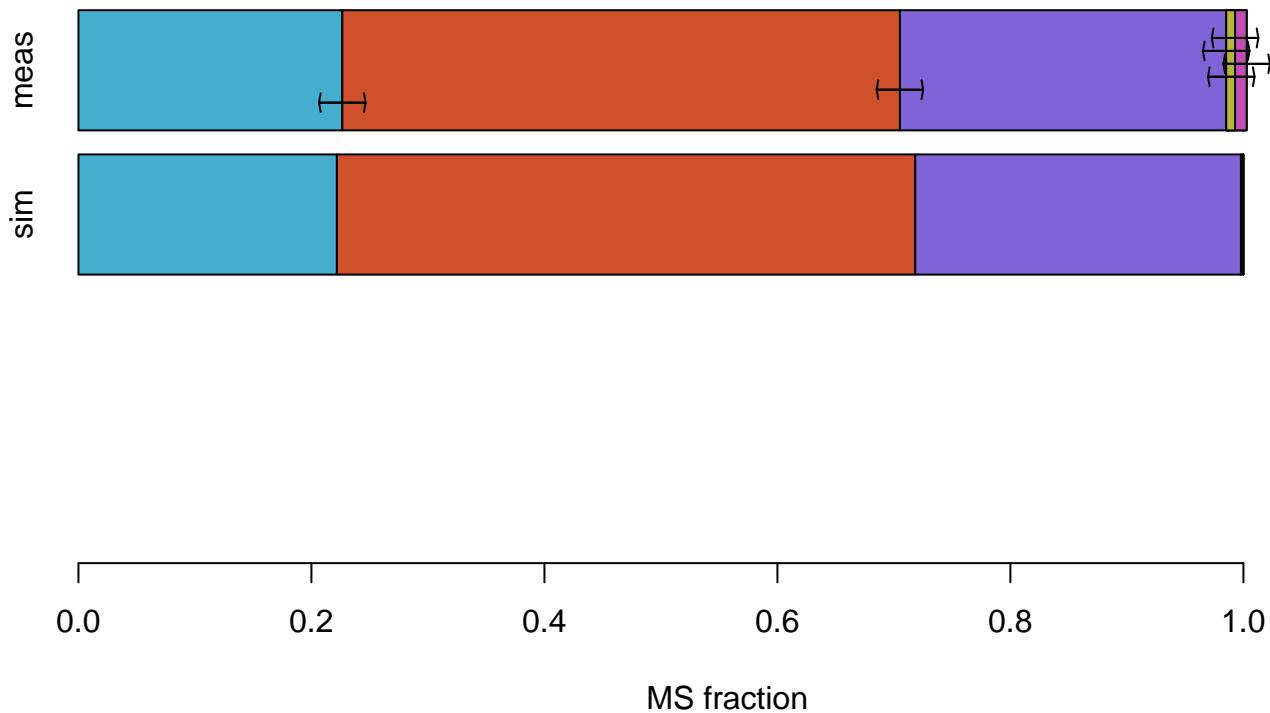
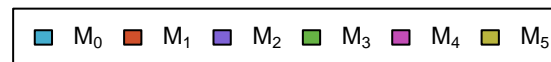
# Gly #01



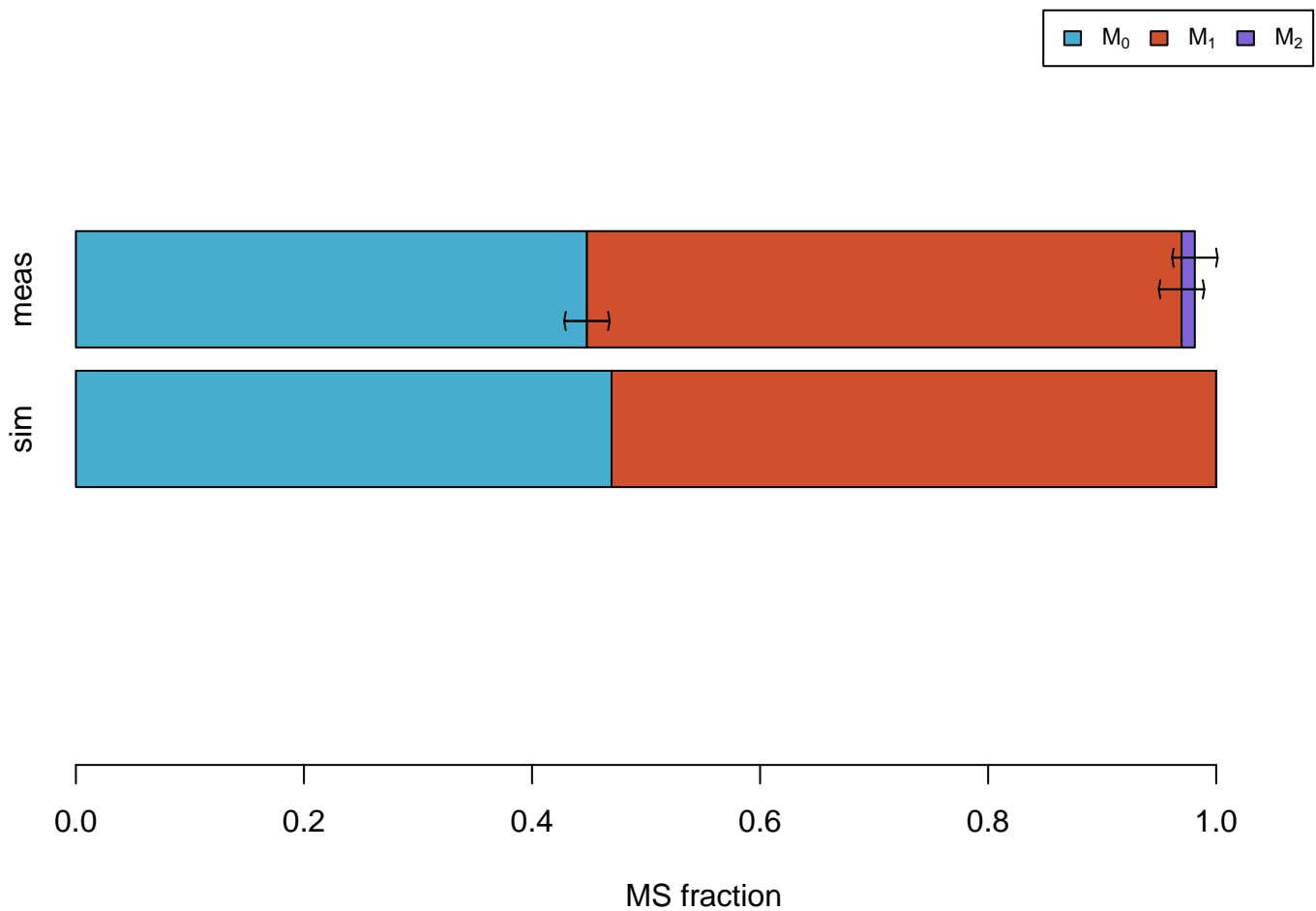
# Ile #011111



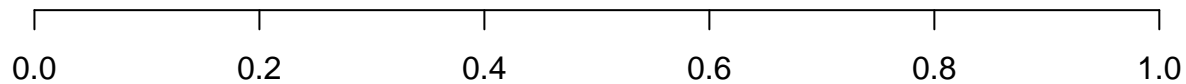
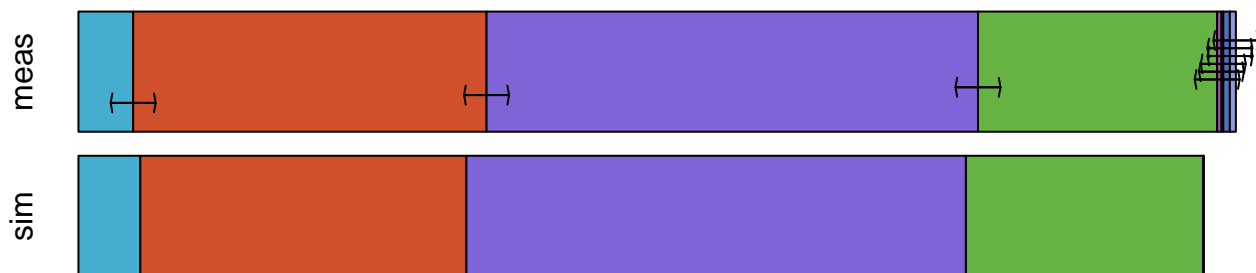
# Leu #011111



# Phe #110000000

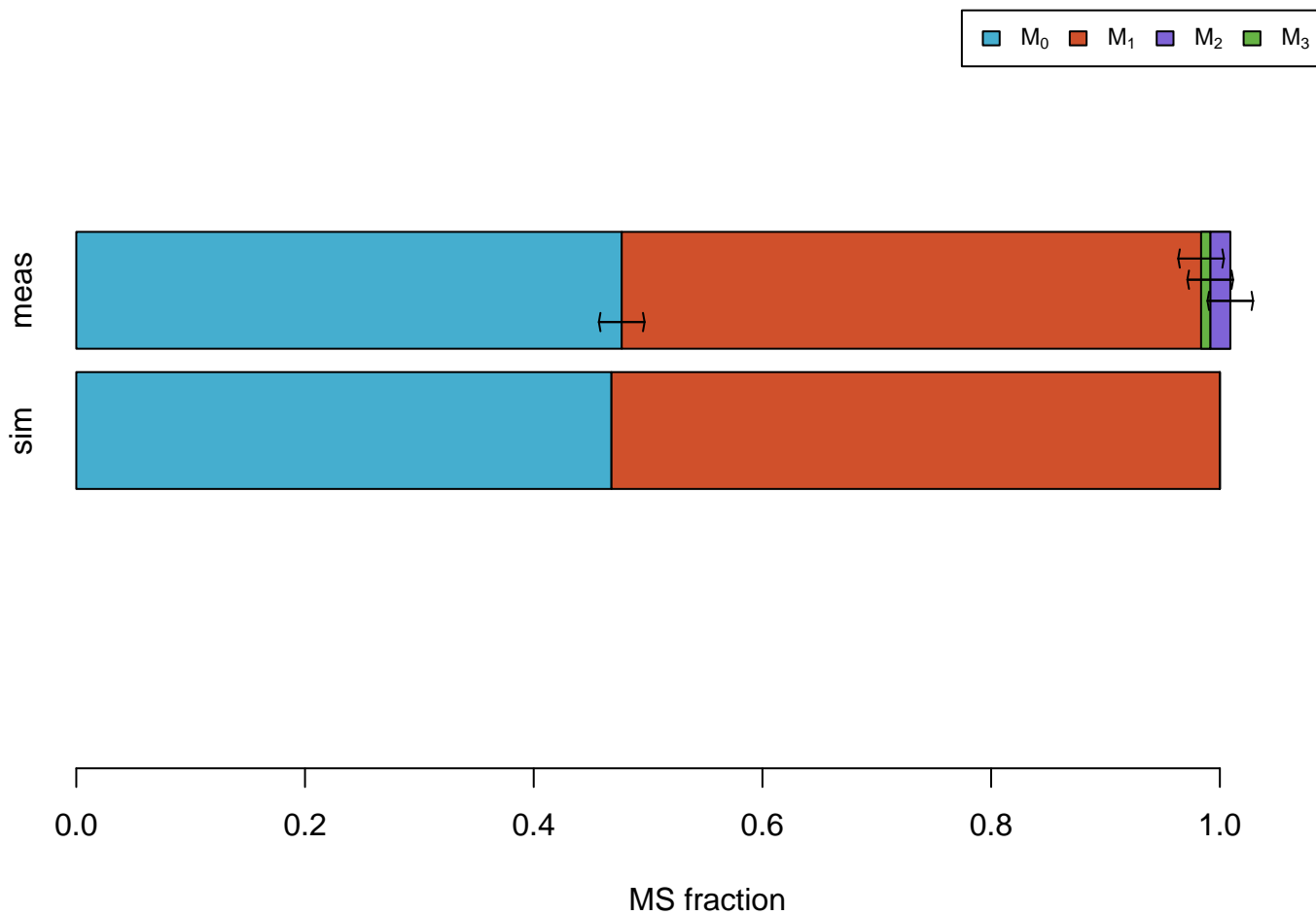


# Phe #011111111

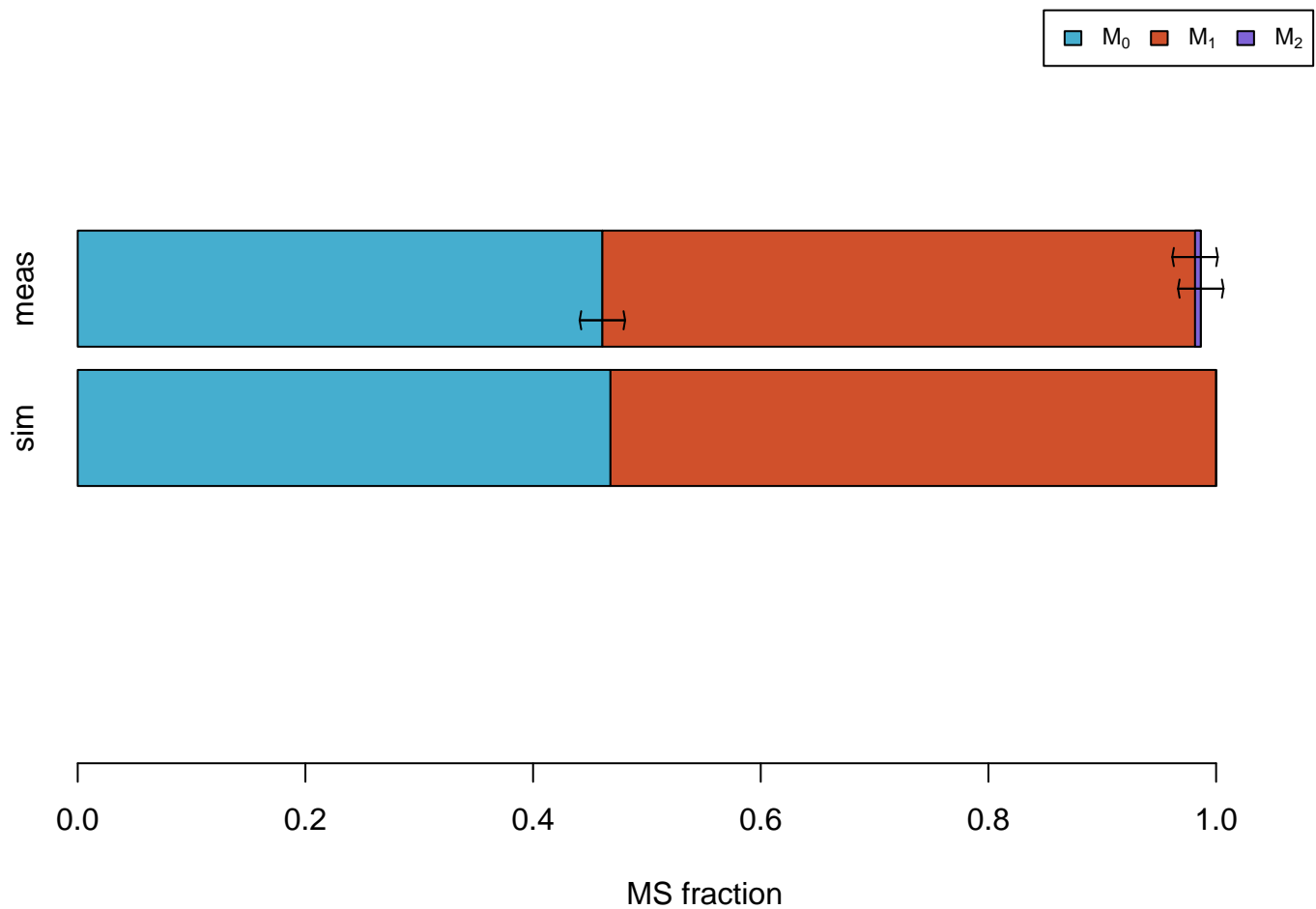


MS fraction

# Ser

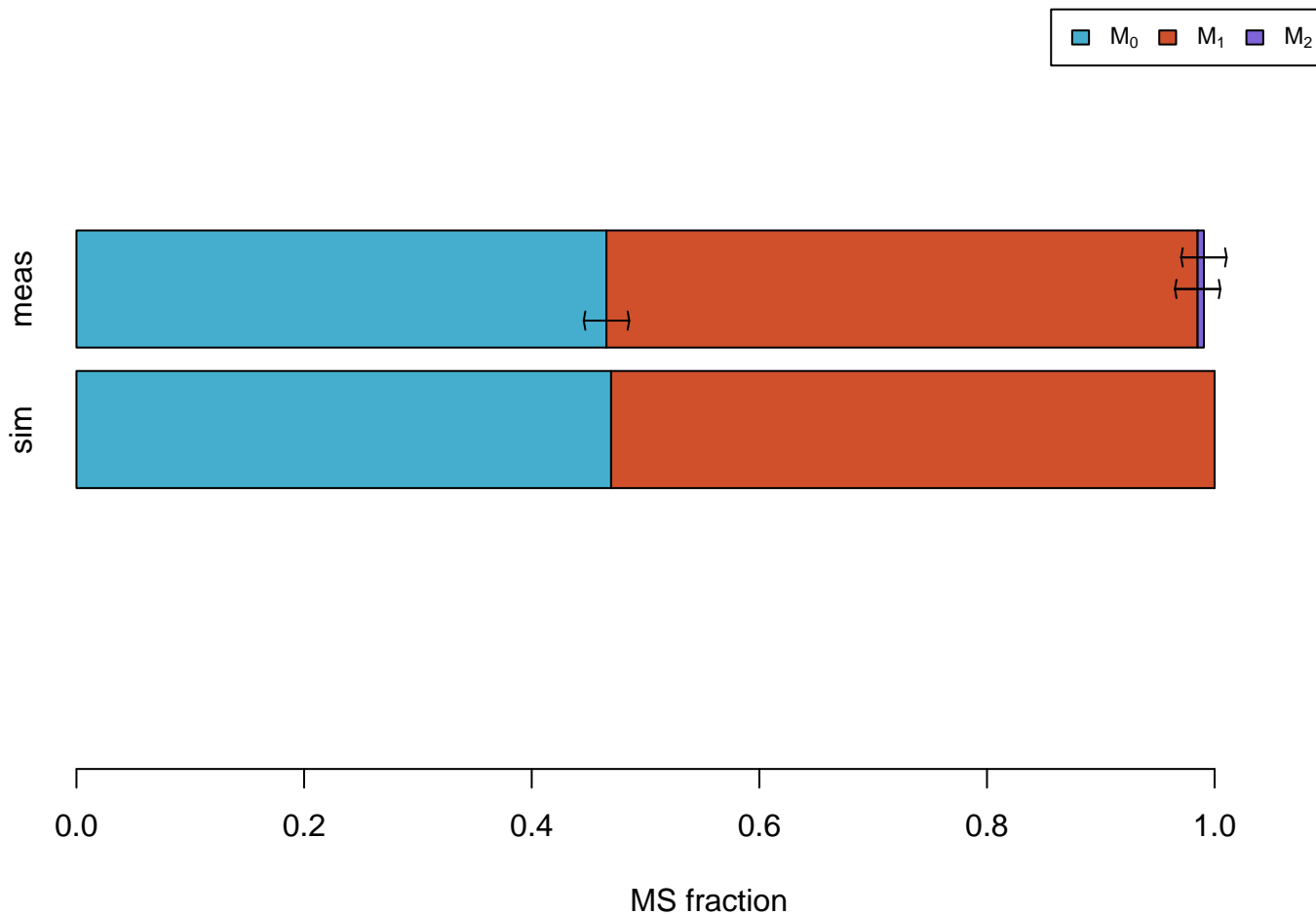


# Ser #011

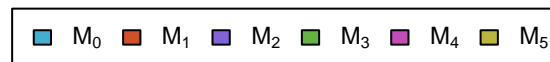




# Tyr #110000000

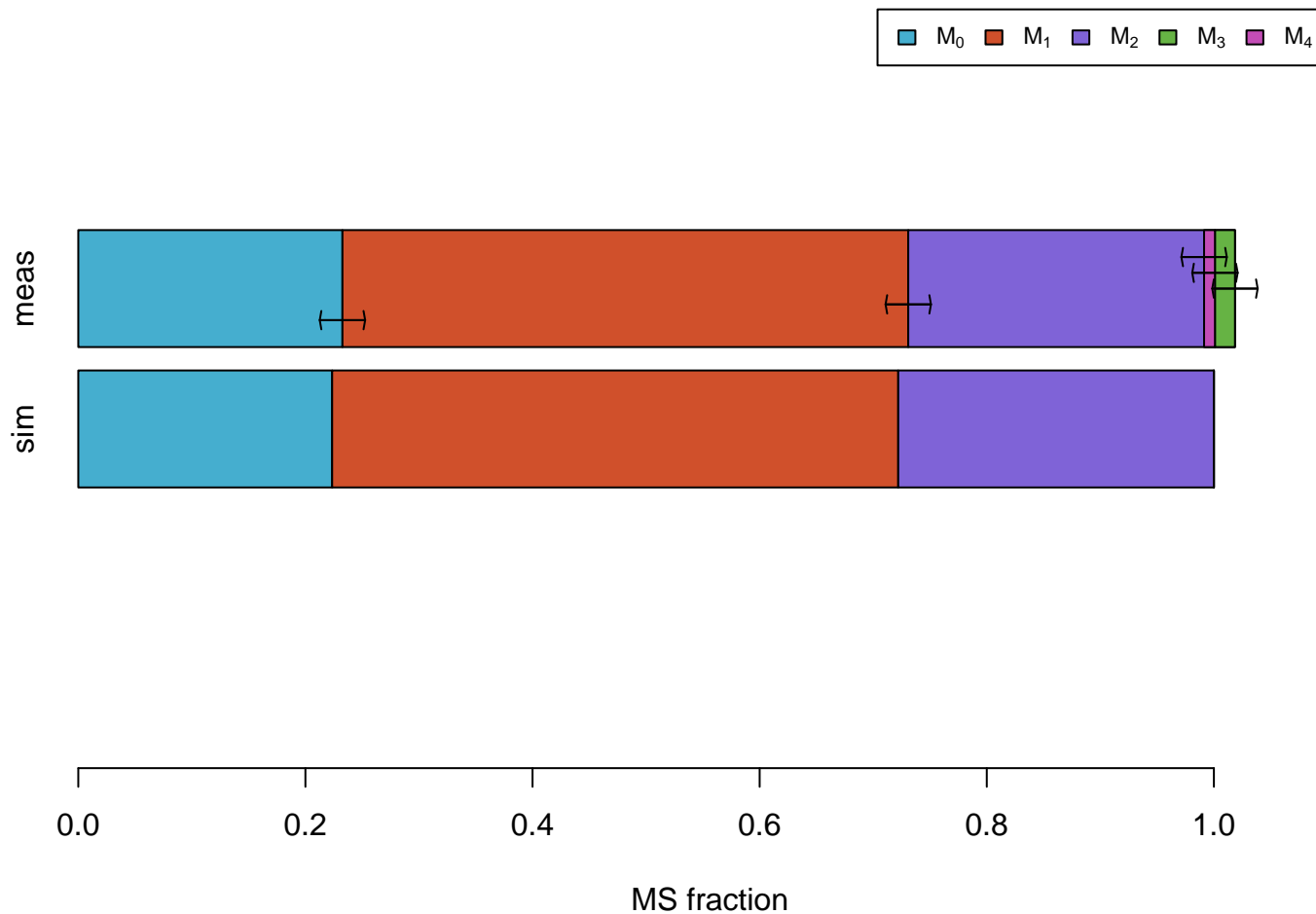


Val



MS fraction

Val #01111



MS simulations

# 3PG



MS fraction

**Ac**



sim



MS fraction

# AcCoA



sim



0.0

0.2

0.4

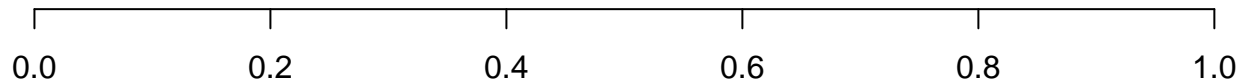
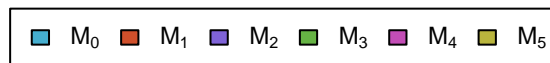
0.6

0.8

1.0

MS fraction

# AKG



MS fraction

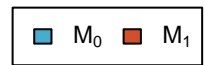


# Asn

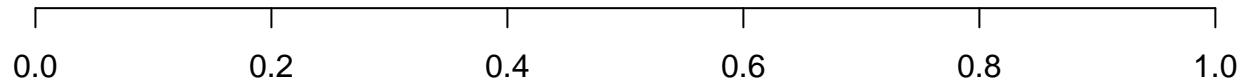


MS fraction

CO2

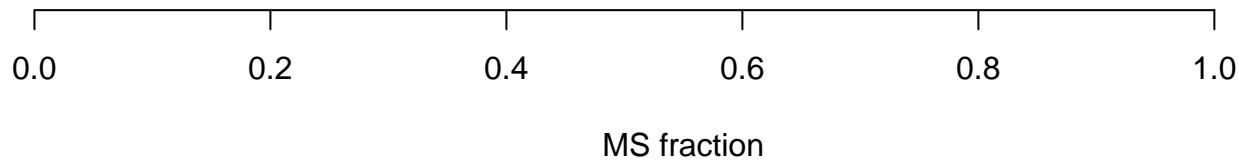


sim



MS fraction

# Cys



# DHAP

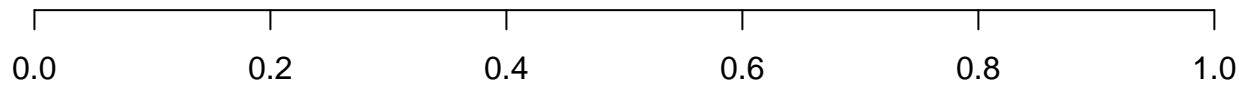


sim



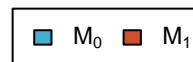
MS fraction

# E4P



MS fraction

# FTHF



sim



MS fraction

# Fum



MS fraction

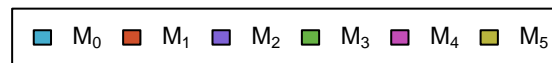
# GAP



MS fraction



# Gln



MS fraction

# Glyox



sim



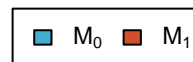
MS fraction

# Mal



MS fraction

# MEETHF



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

# METHF

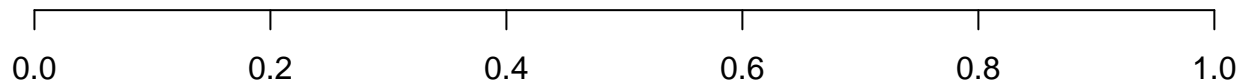


sim



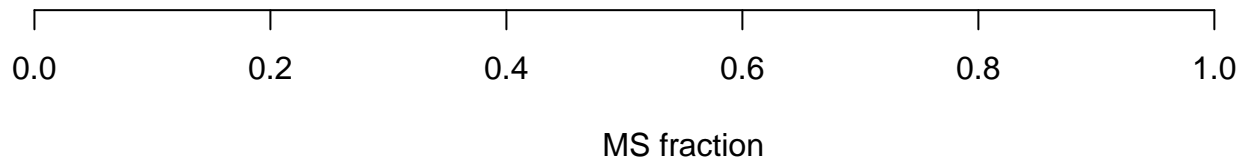
MS fraction

# OAC

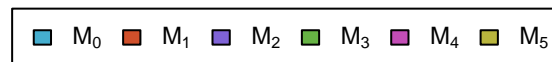


MS fraction

# PEP



Pro



sim



MS fraction



# Pyr



MS fraction

Suc



MS fraction

# SucCoA



MS fraction

# TA-C3



sim



MS fraction

Thr



sim

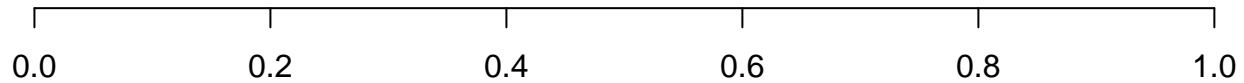


MS fraction

# TK-C2



sim



MS fraction