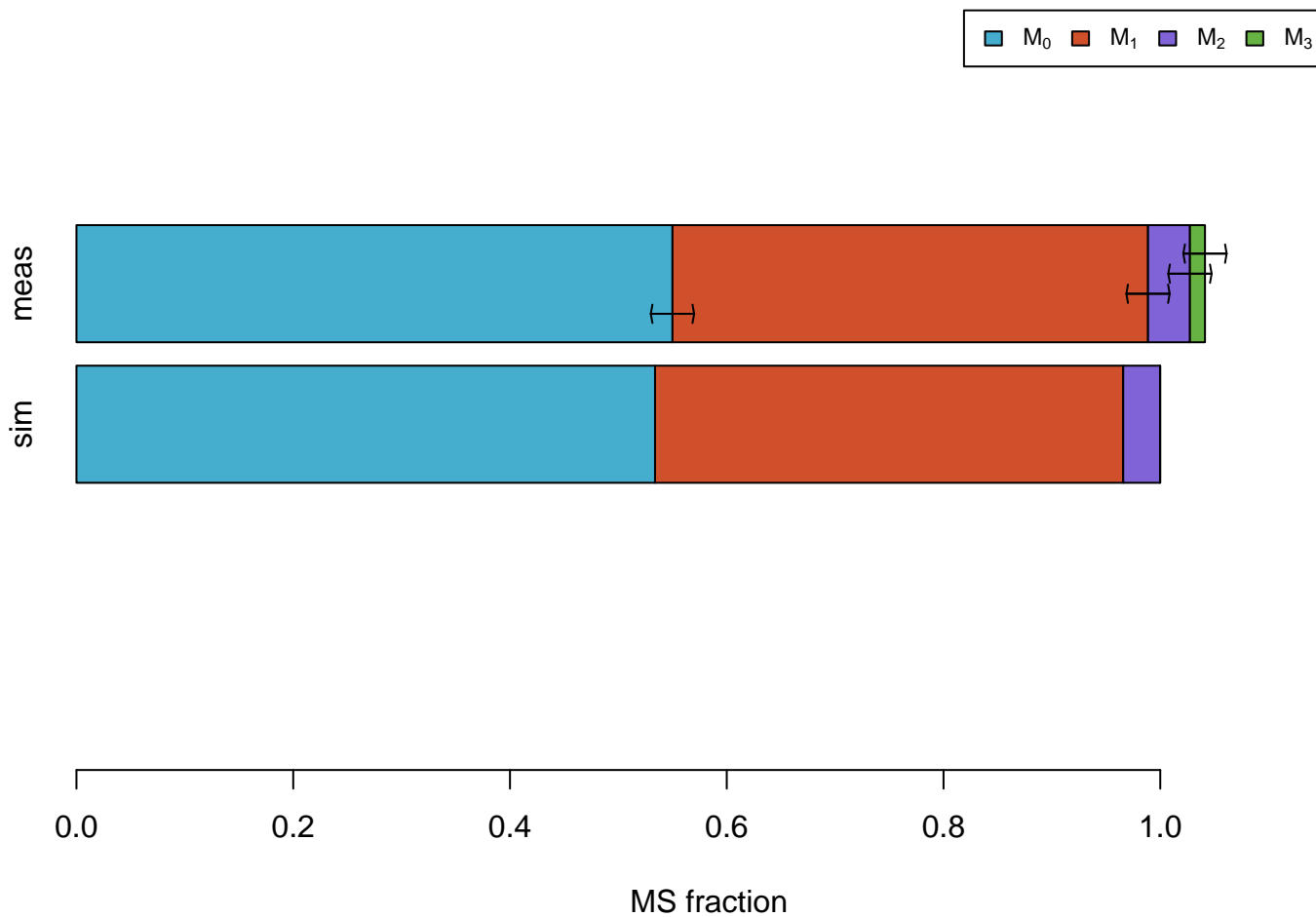
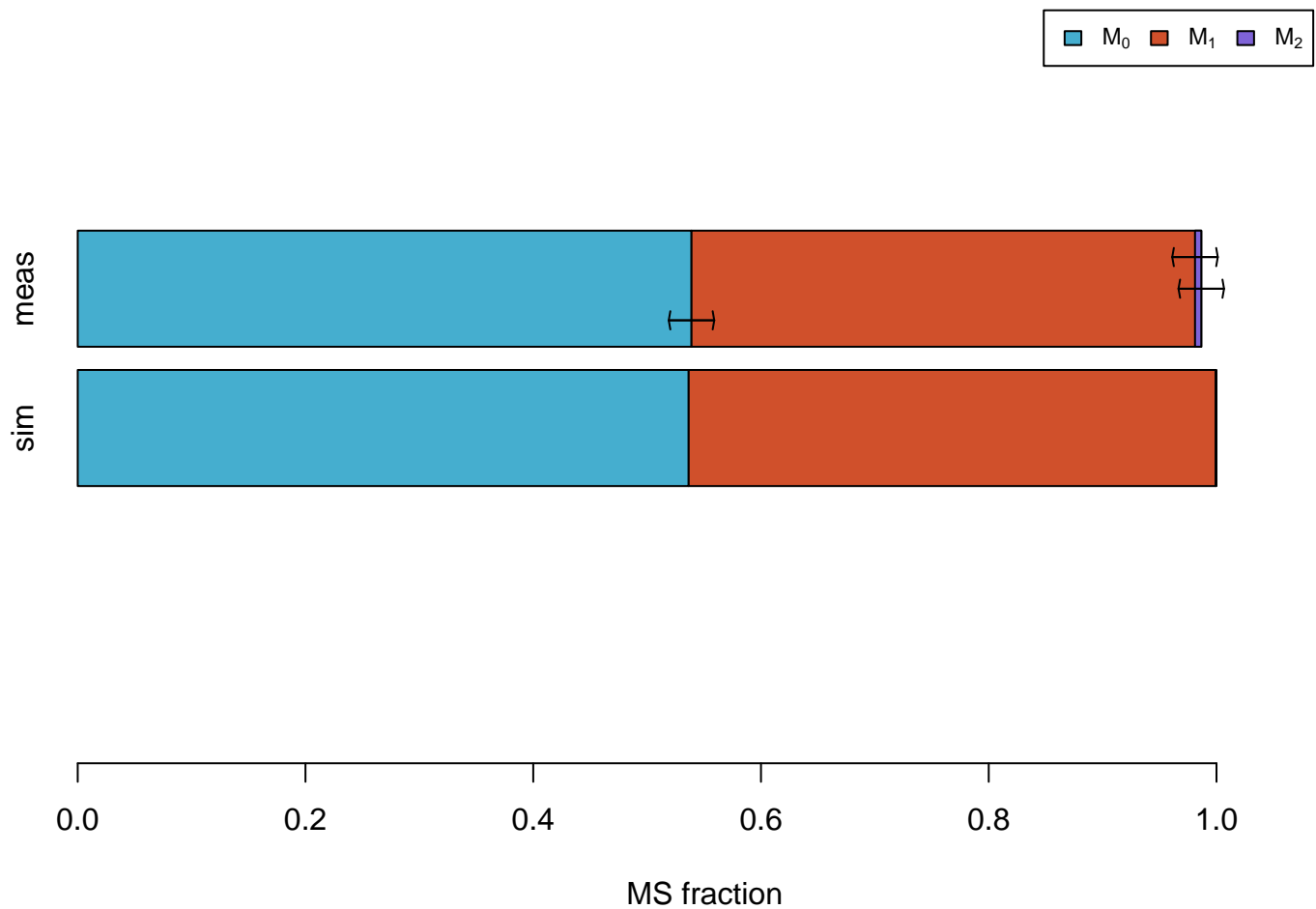


MS measurements  
(error bars= $\pm 2 \cdot \text{dev}$ )

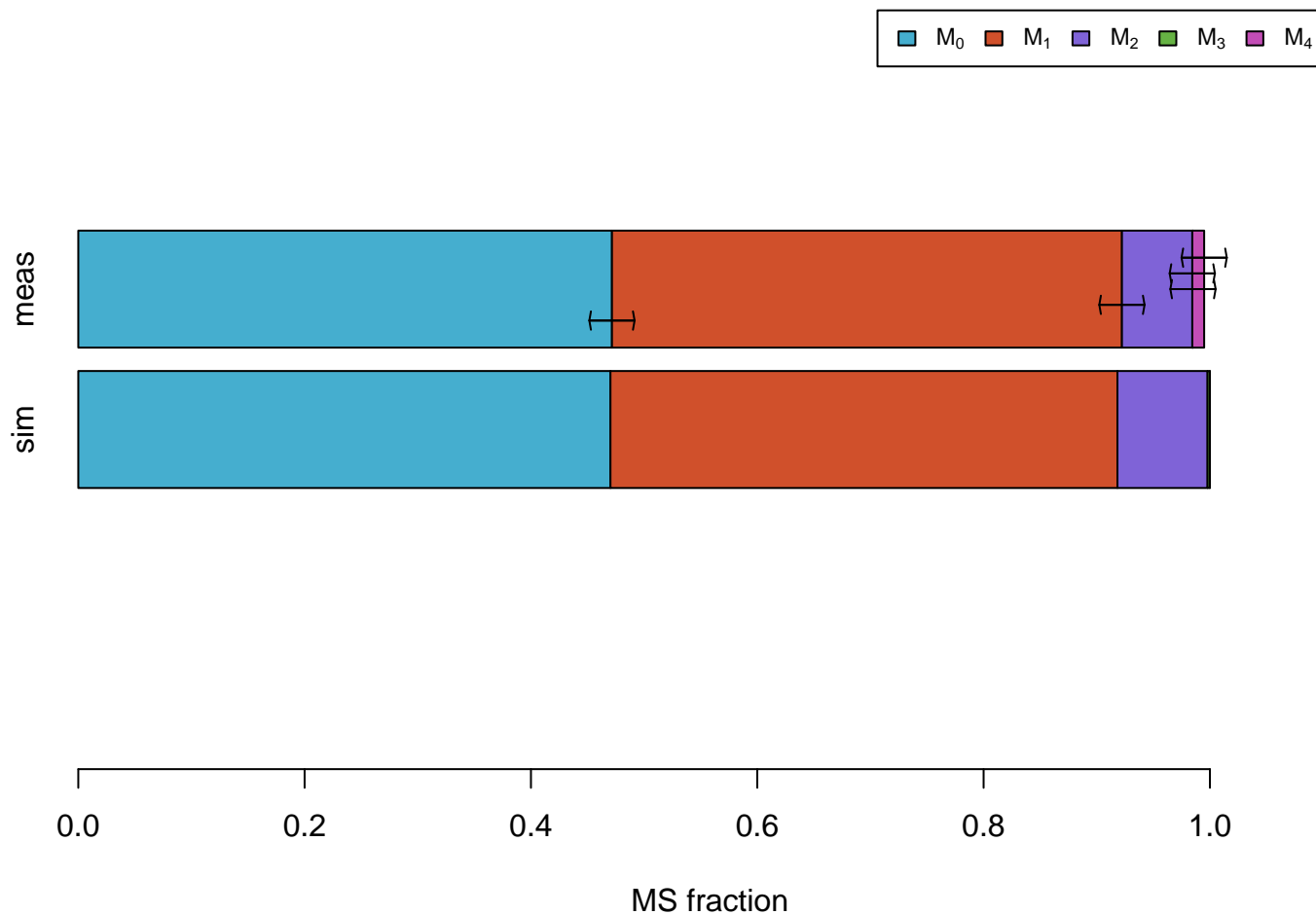
# Ala



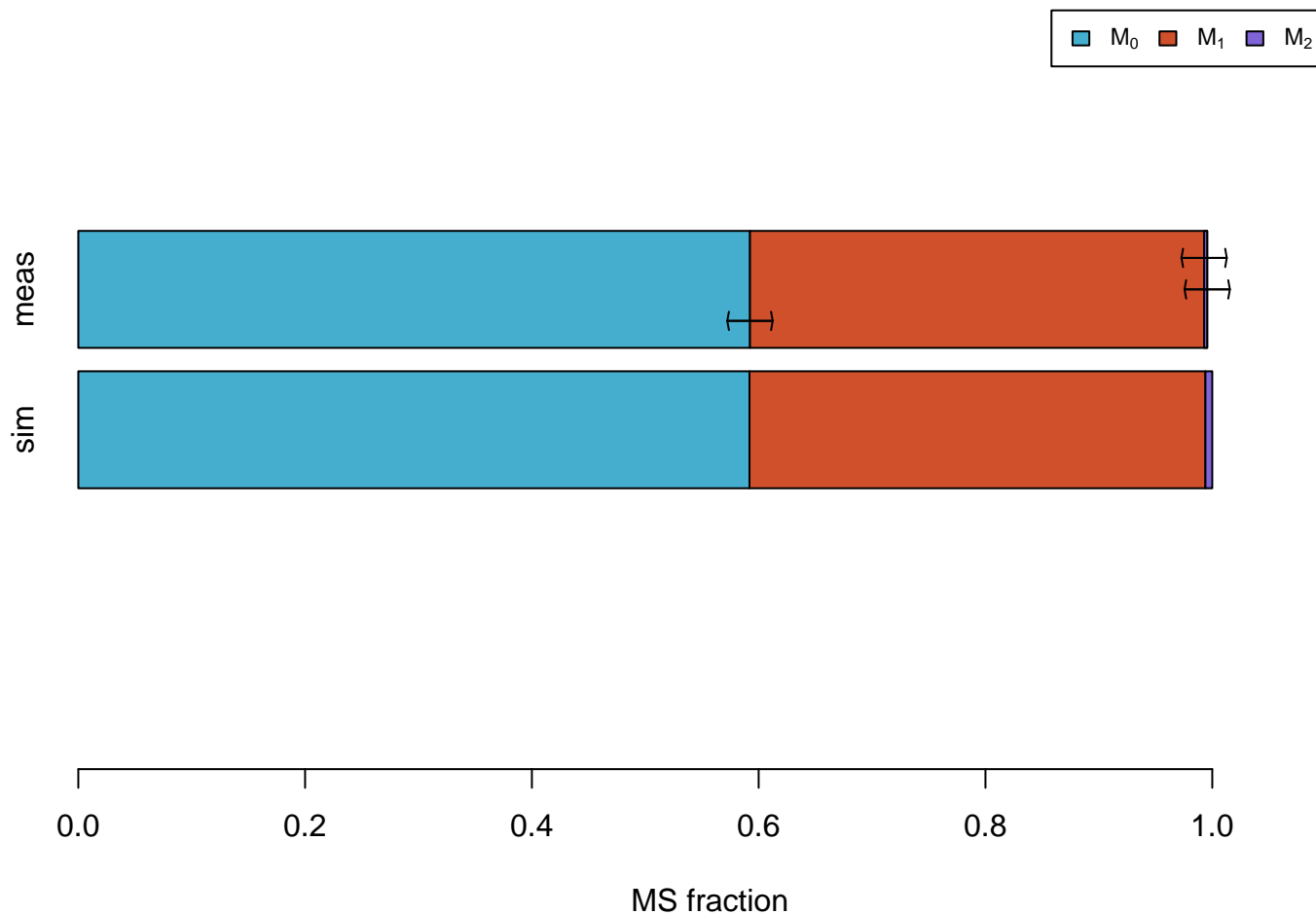
# Ala #011



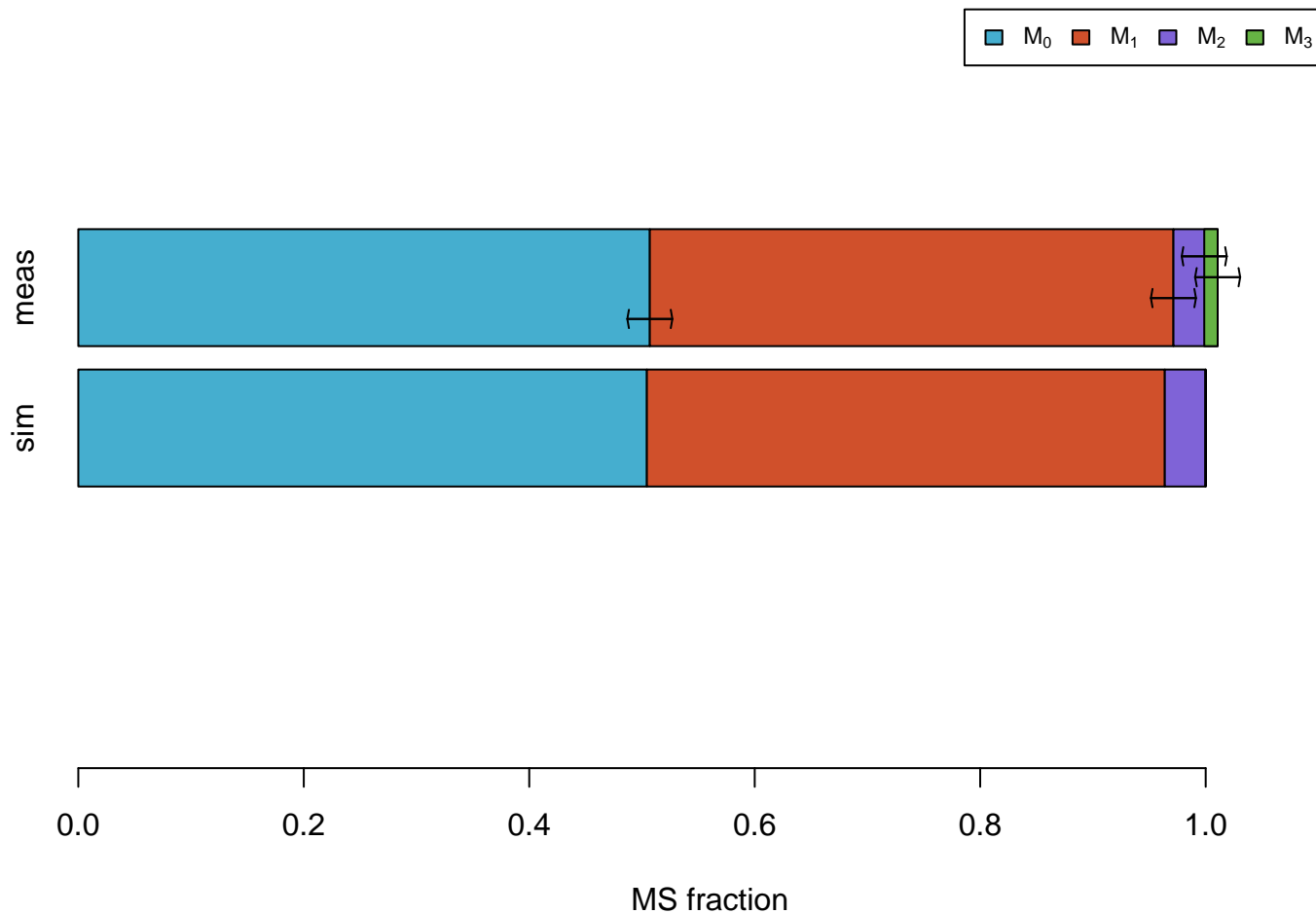
# Asp



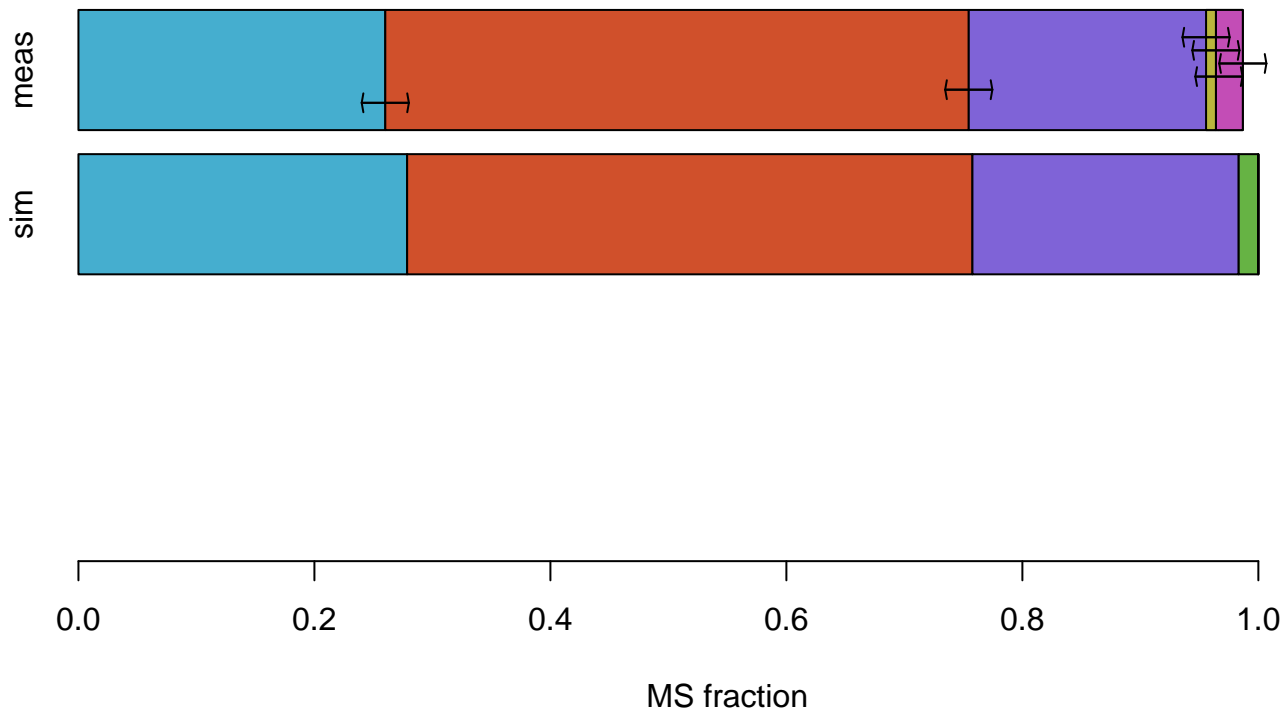
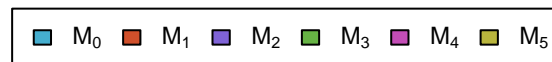
# Asp #1100



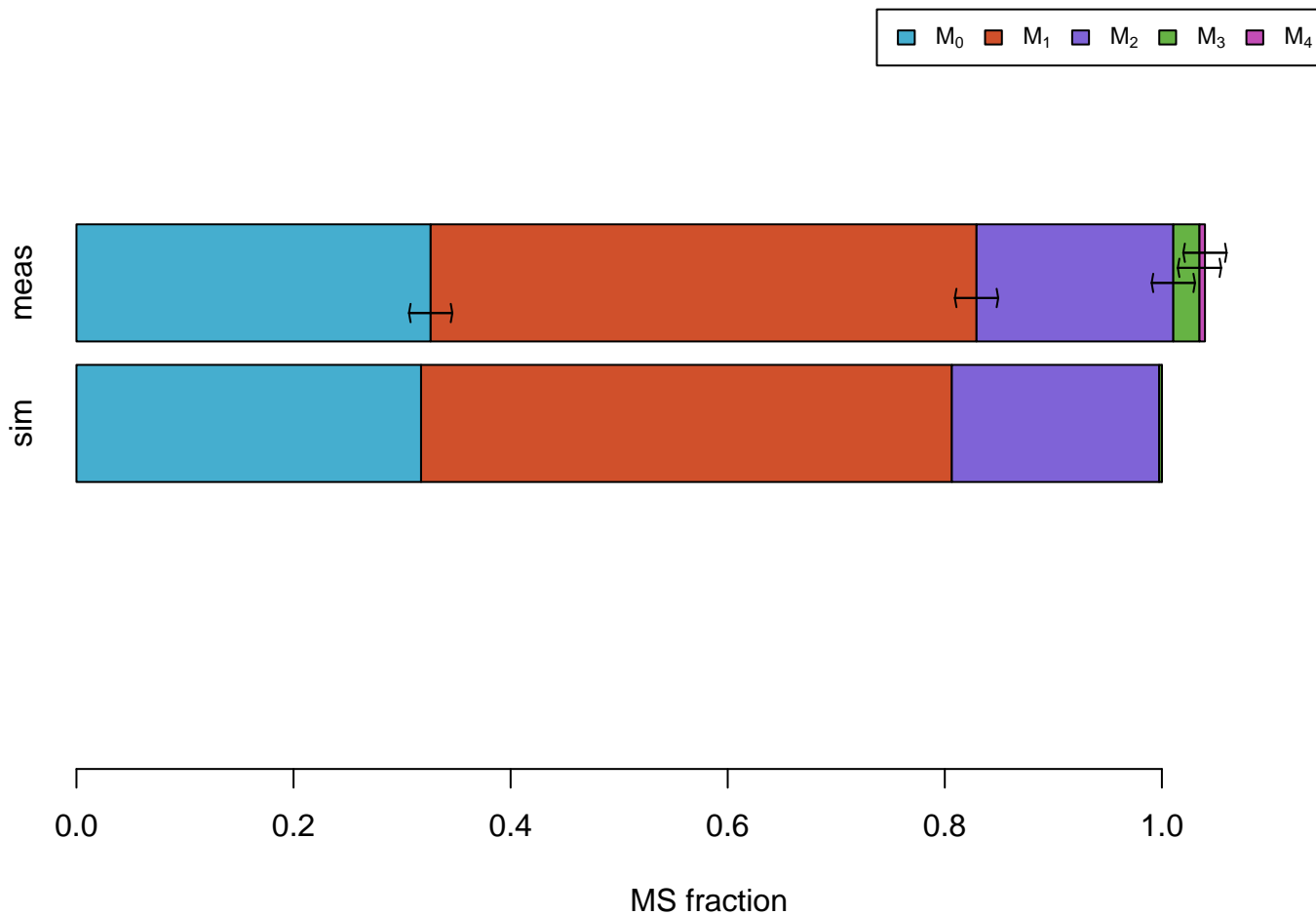
# Asp #0111



# Glu

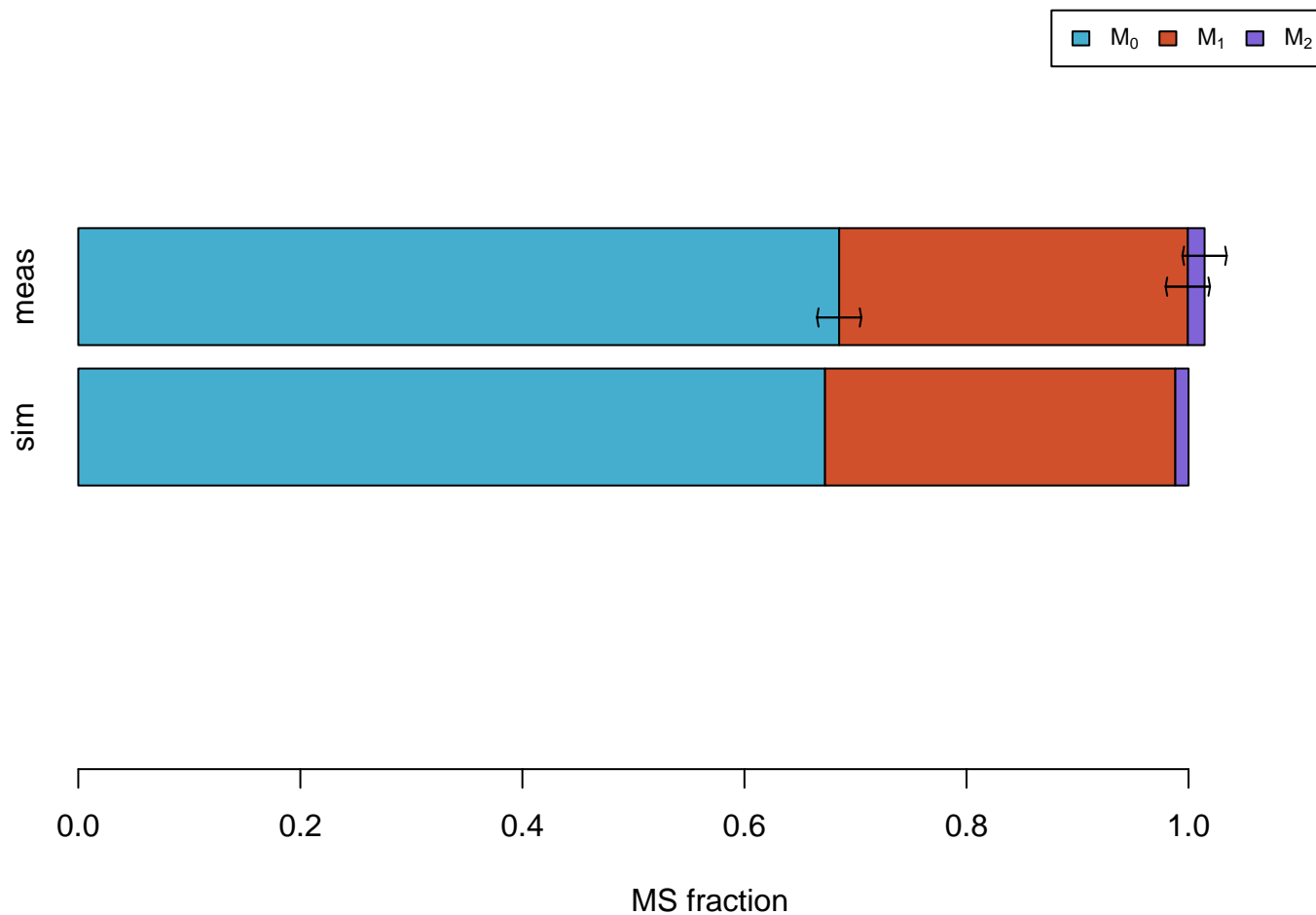


# Glu #01111

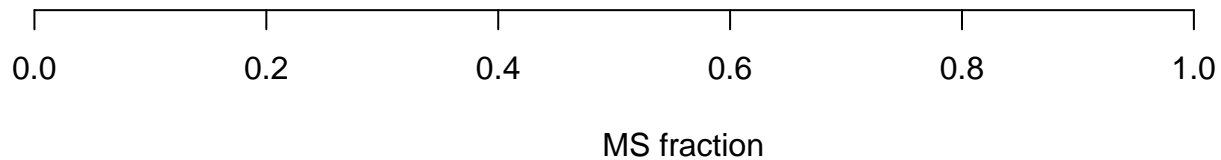
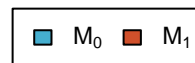




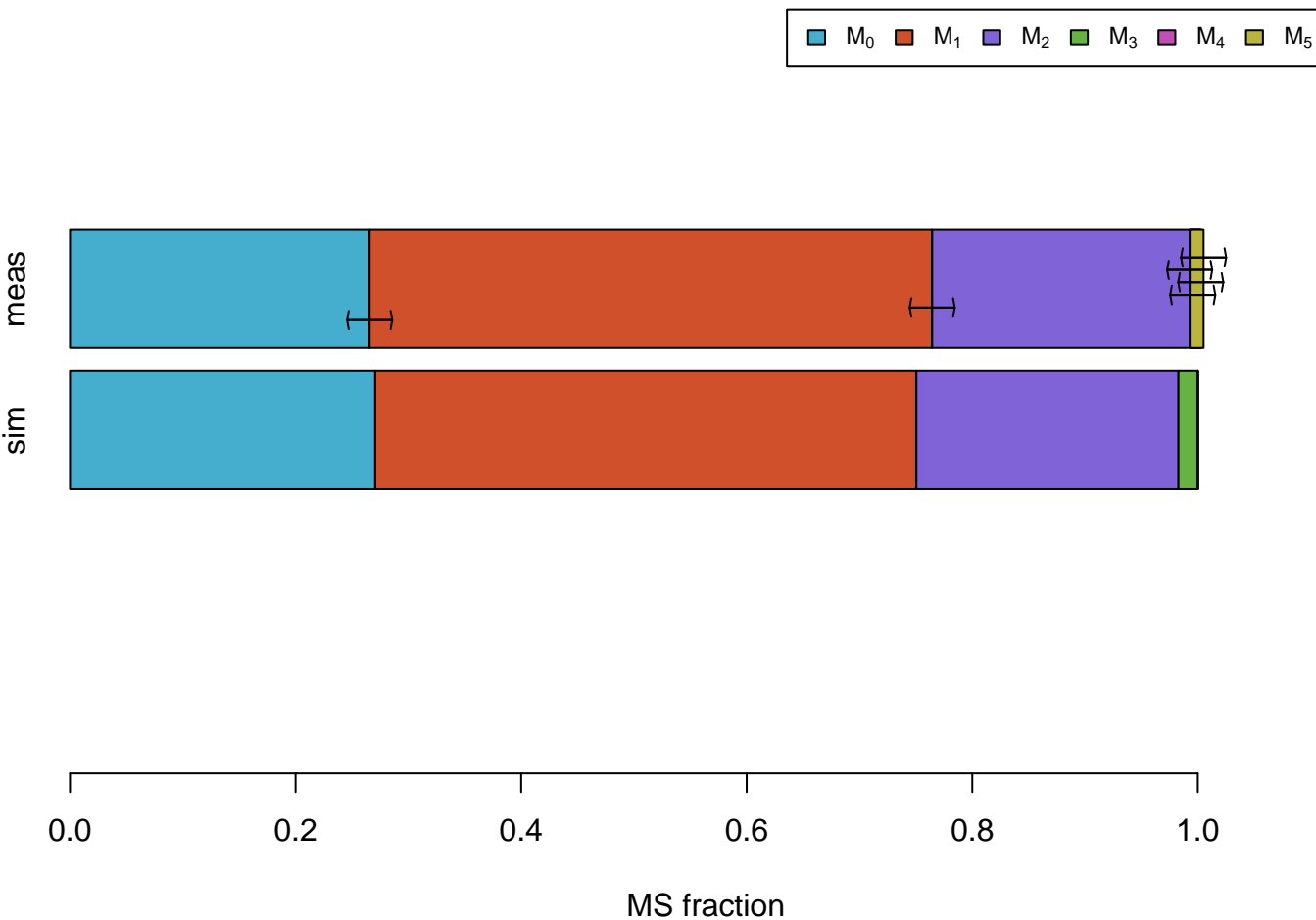
# Gly



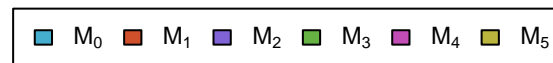
# Gly #01



# Ile #011111

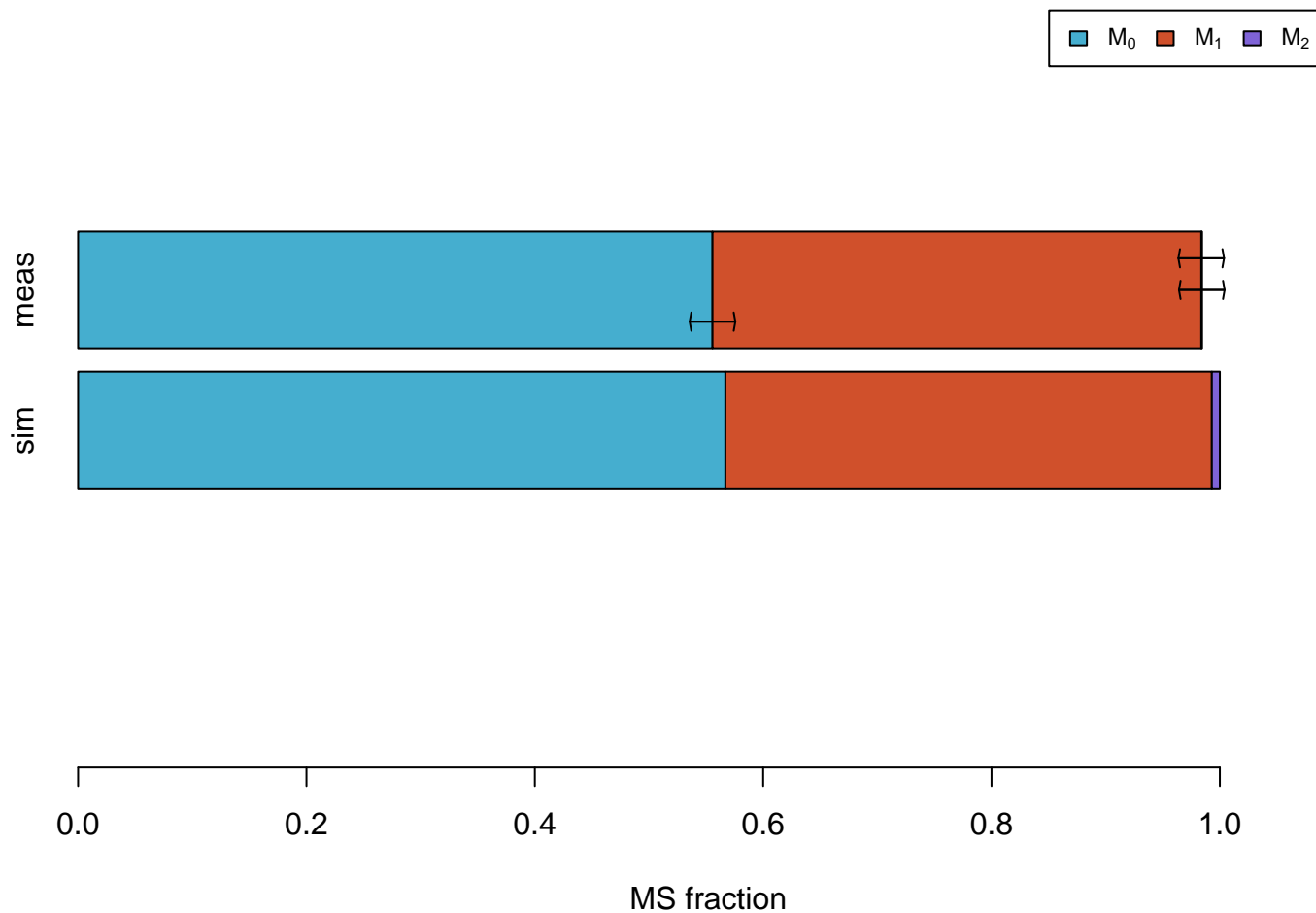


# Leu #011111



MS fraction

# Phe #110000000

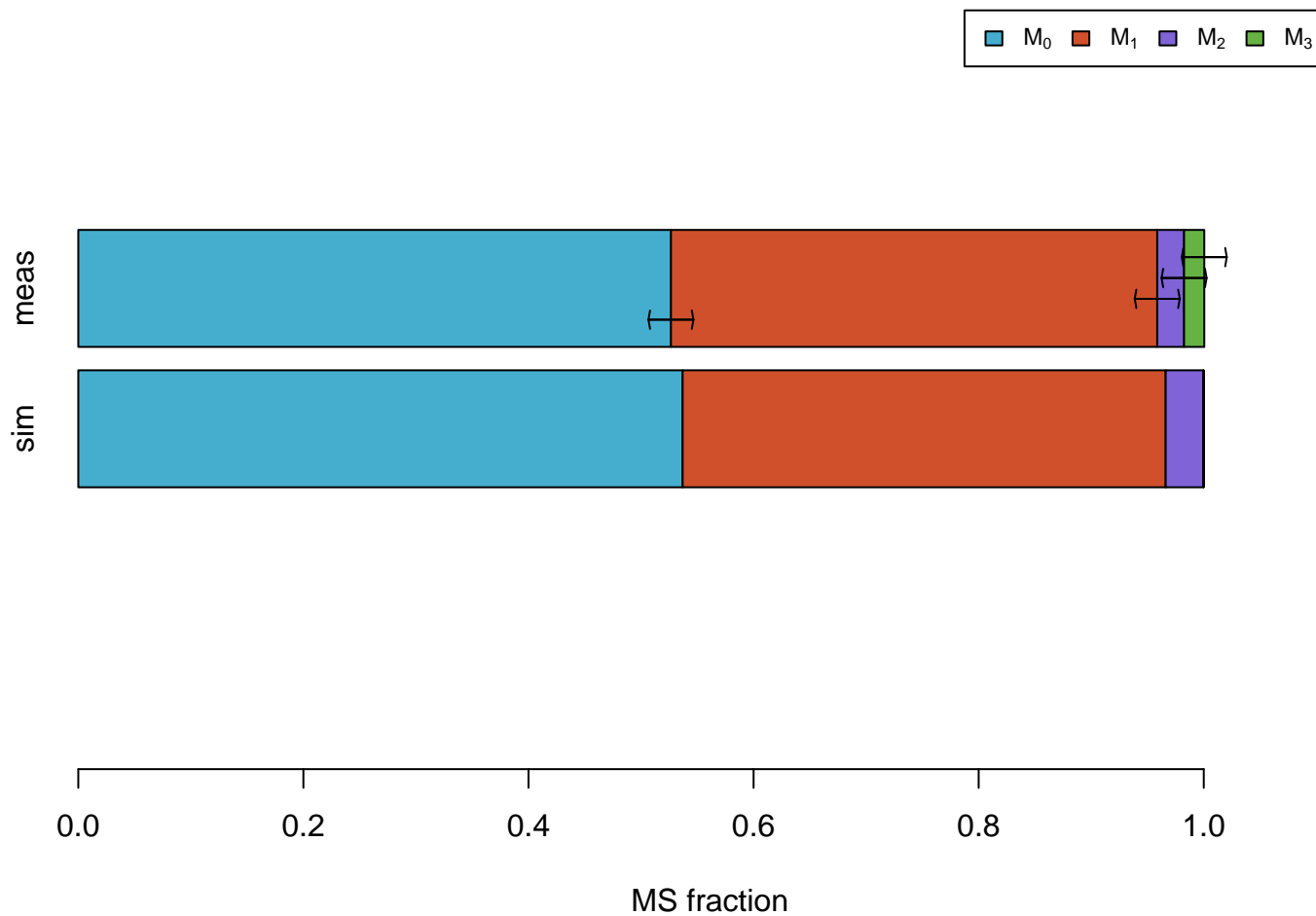


# Phe #011111111

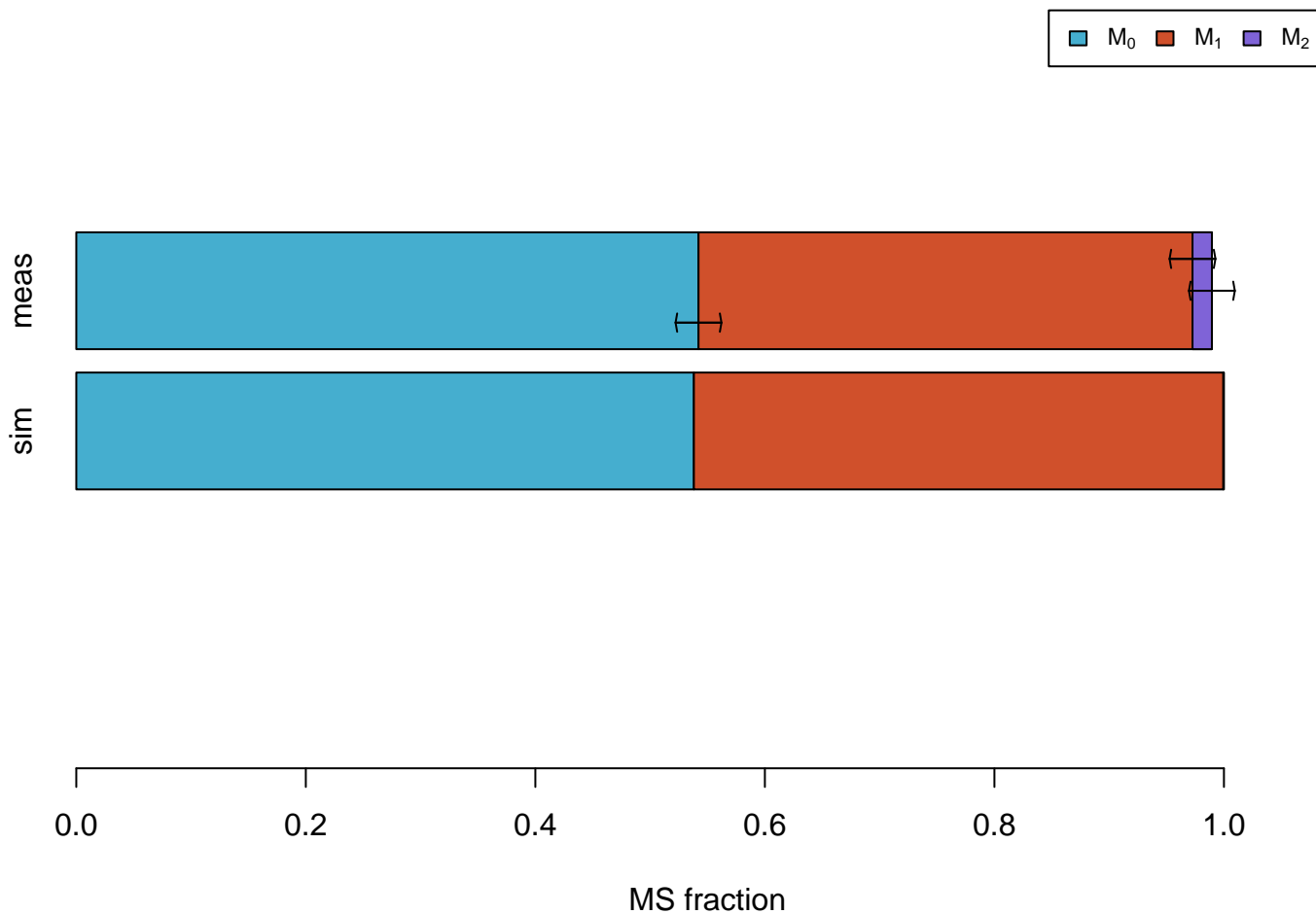


MS fraction

# Ser

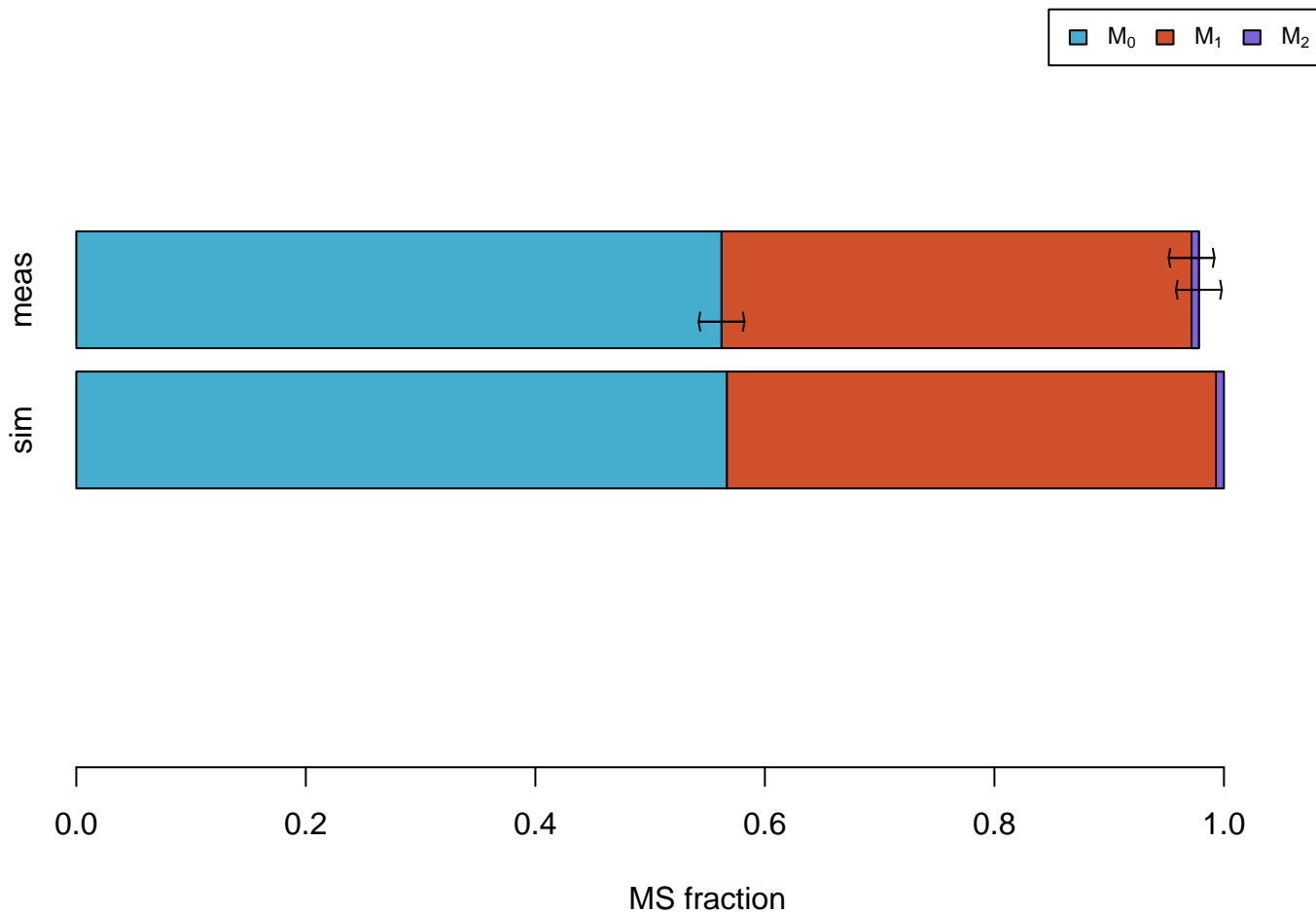


# Ser #011

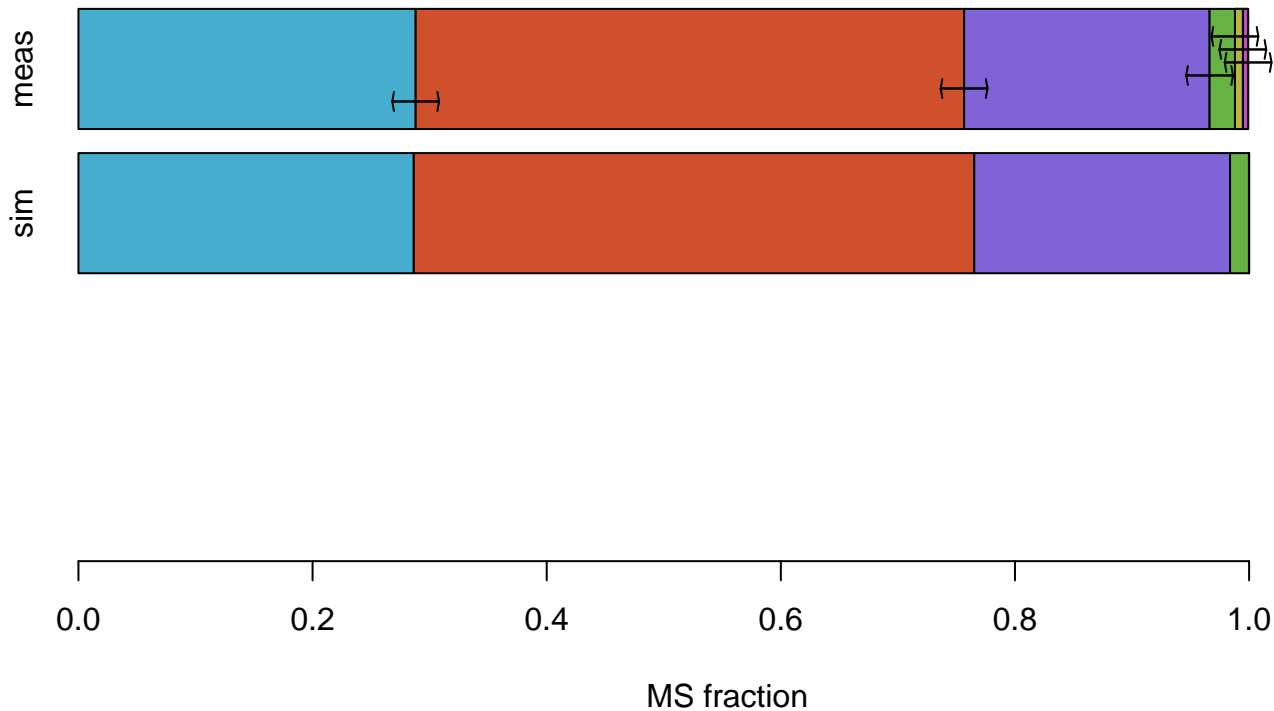
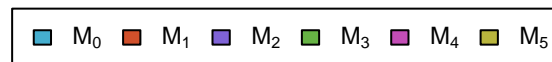




# Tyr #110000000



Val



Val #01111



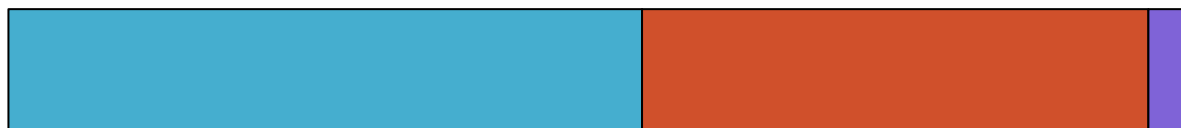
MS fraction

MS simulations

# 3PG



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

**Ac**



sim



MS fraction

# AcCoA

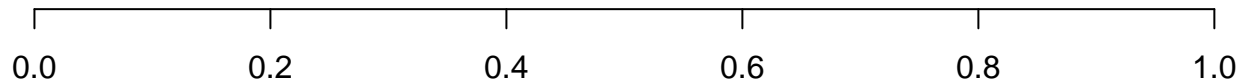
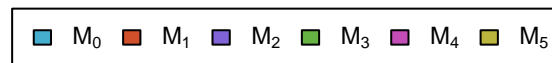


sim



MS fraction

# AKG



MS fraction

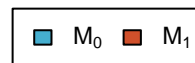


# Asn



MS fraction

# CO2



sim

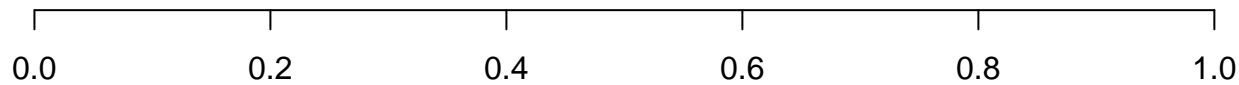


MS fraction

# Cys



sim



MS fraction

# DHAP



MS fraction

# E4P

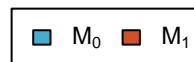


sim



MS fraction

# FTHF

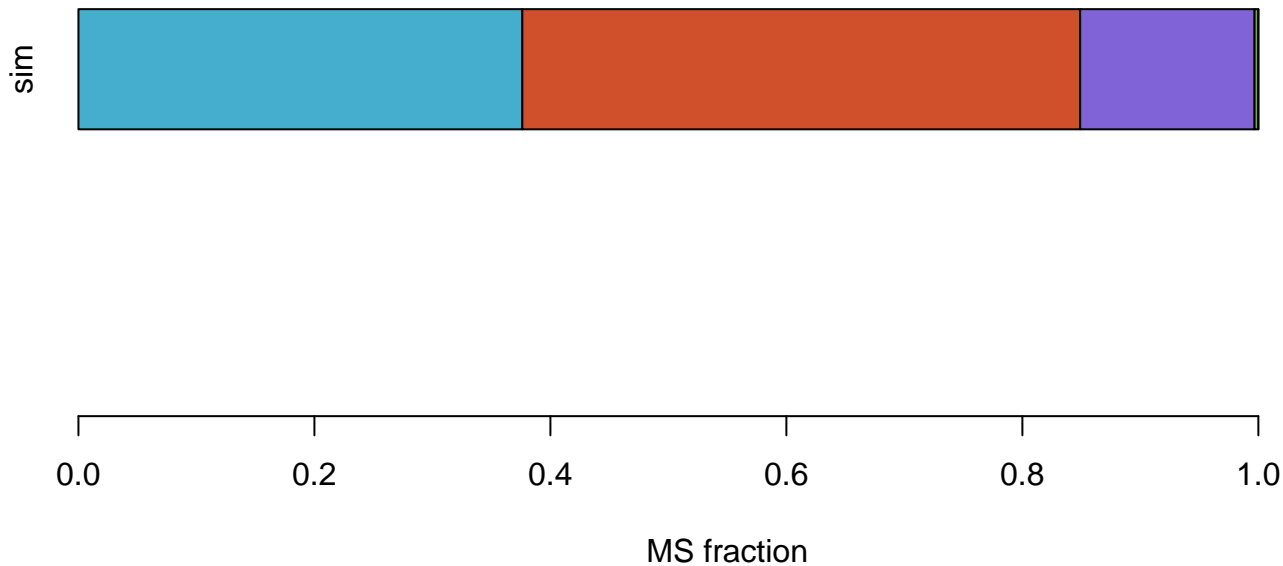


sim



MS fraction

# Fum



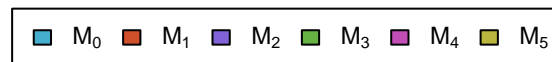
# GAP



MS fraction



# Gln



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

# Glyox



sim



MS fraction

# Mal

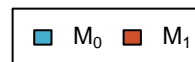


sim



MS fraction

# MEETHF



sim



0.0

0.2

0.4

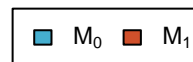
0.6

0.8

1.0

MS fraction

# METHF



sim



MS fraction

# OAC

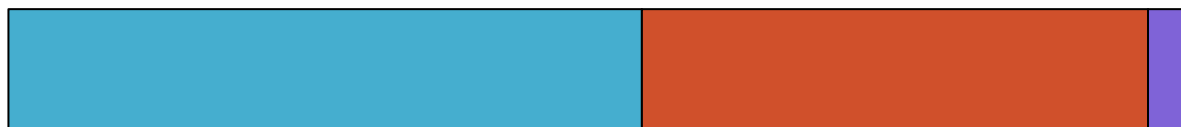


MS fraction

# PEP

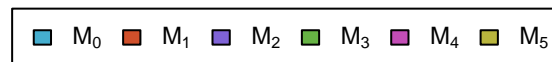


sim



MS fraction

Pro



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction



# Pyr



sim



0.0

0.2

0.4

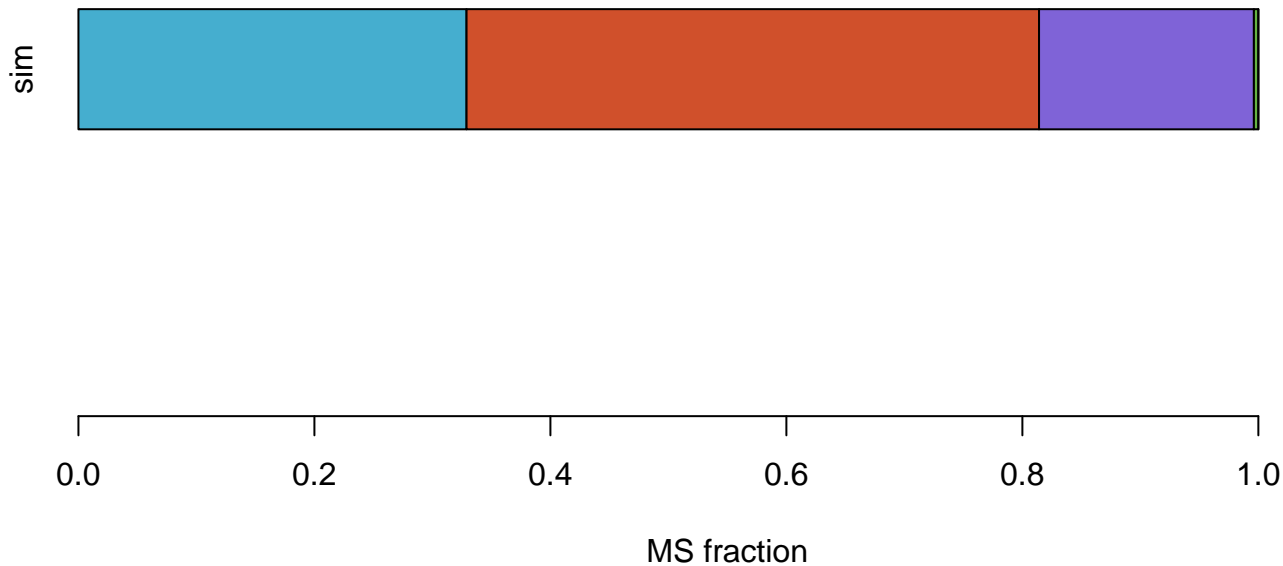
0.6

0.8

1.0

MS fraction

# Suc



# SucCoA



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

# TA-C3



sim



MS fraction

Thr



sim



MS fraction

# TK-C2



sim



MS fraction