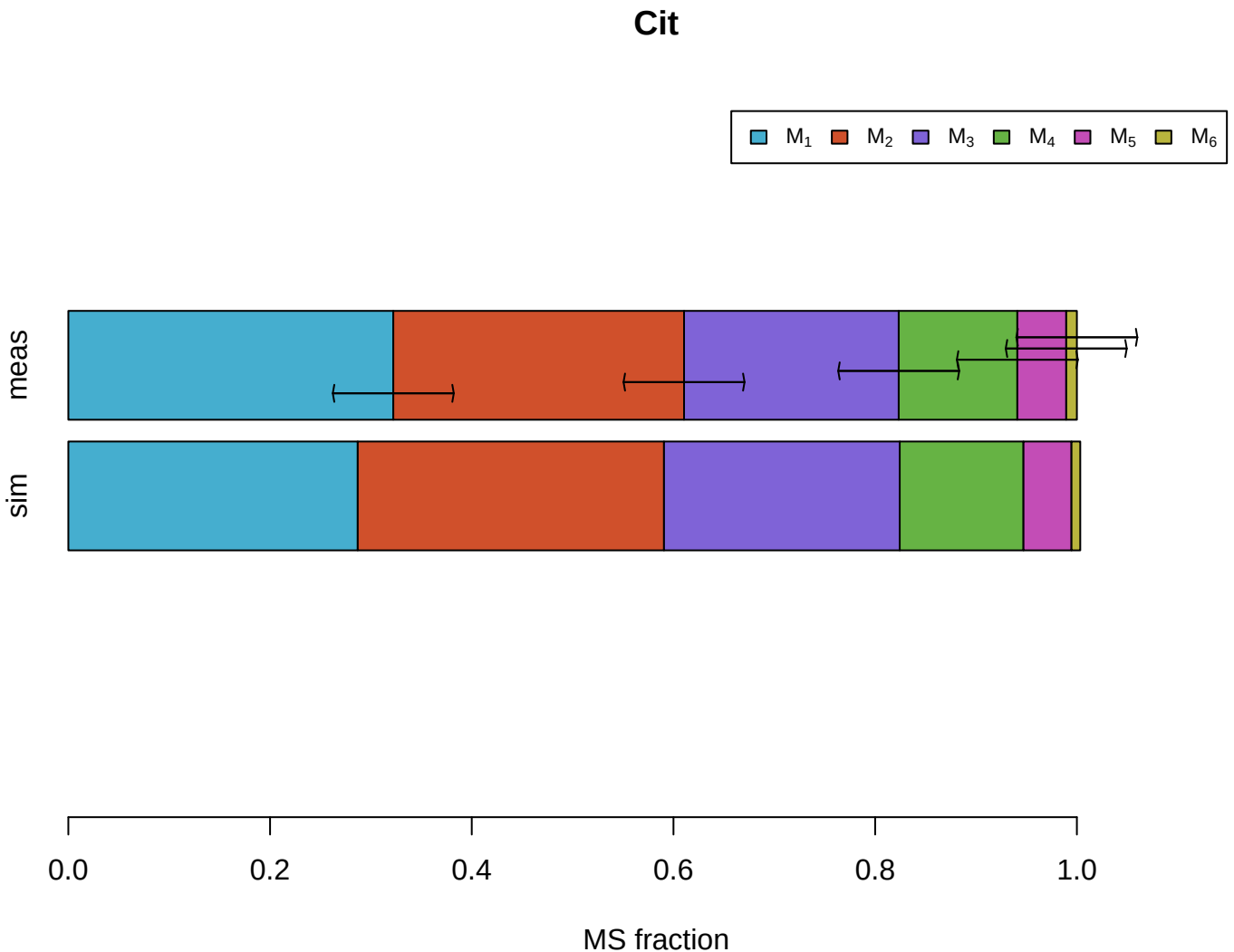
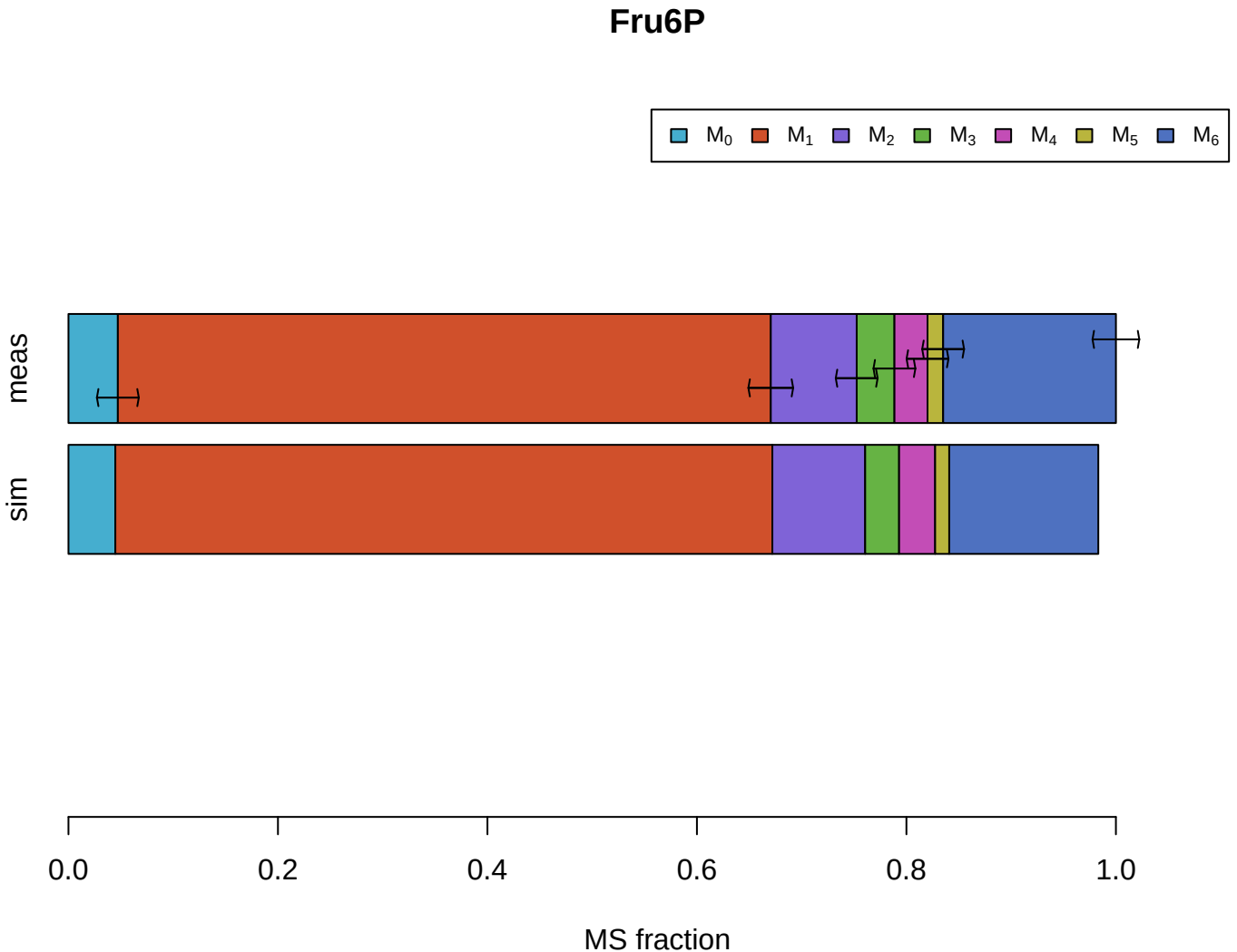
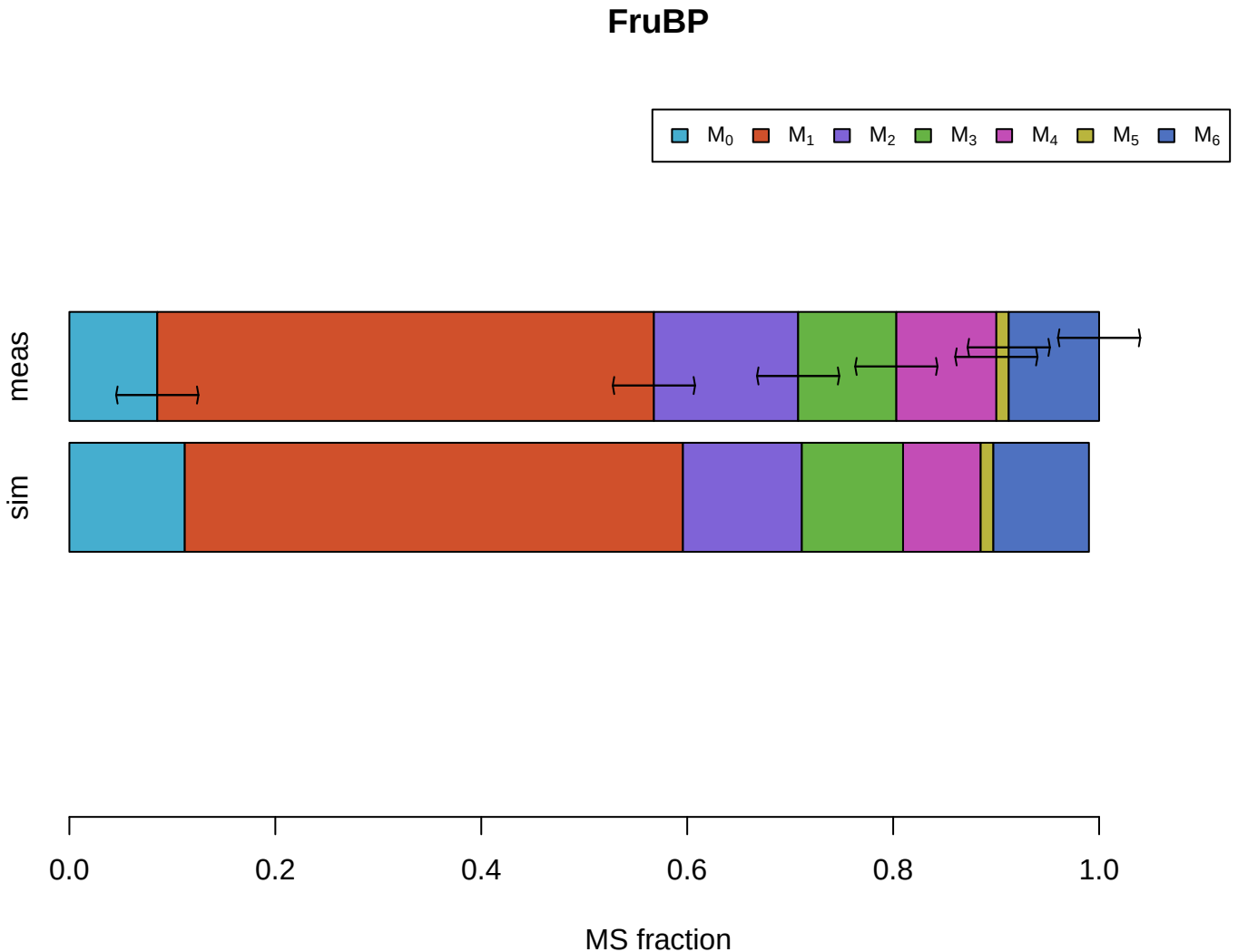
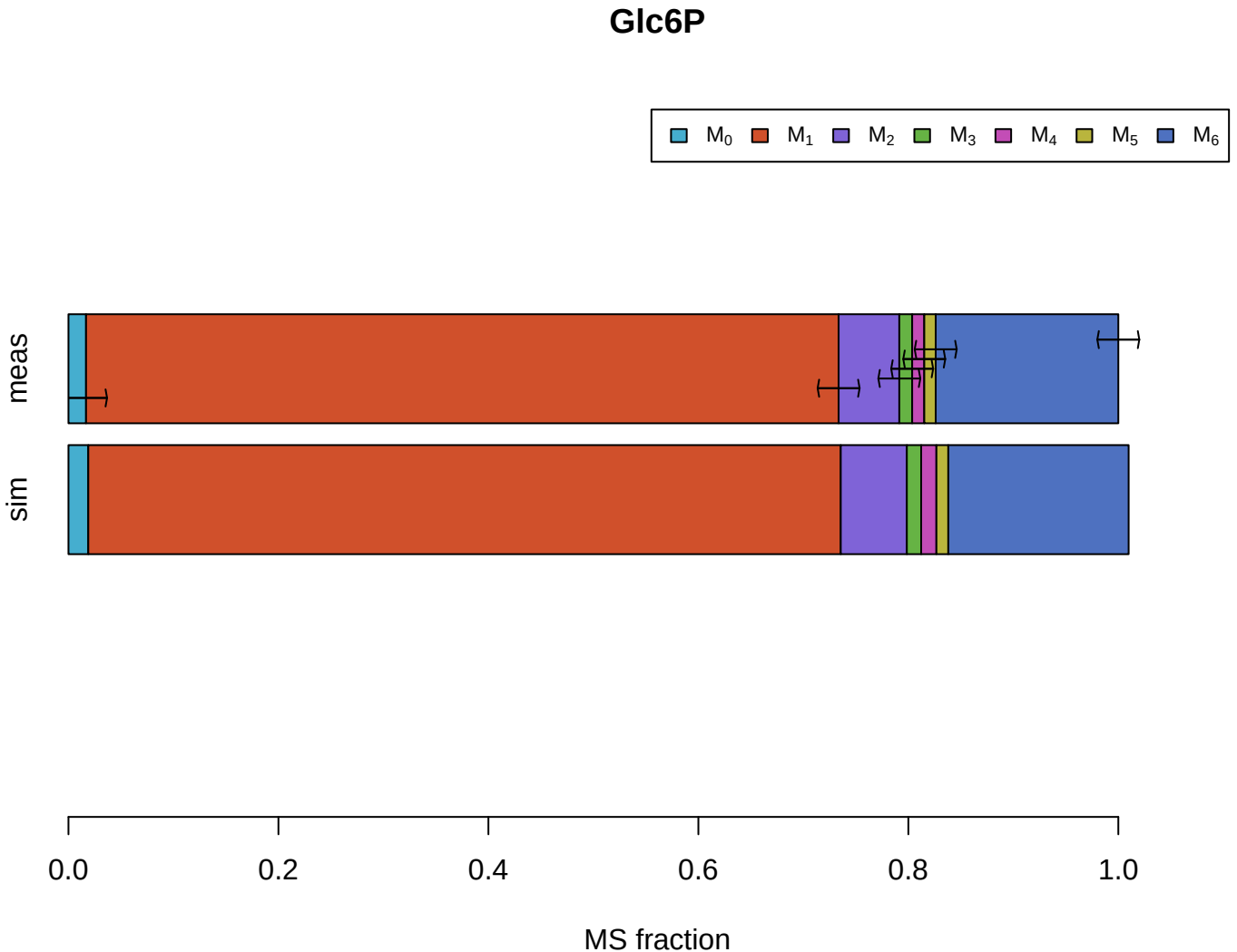
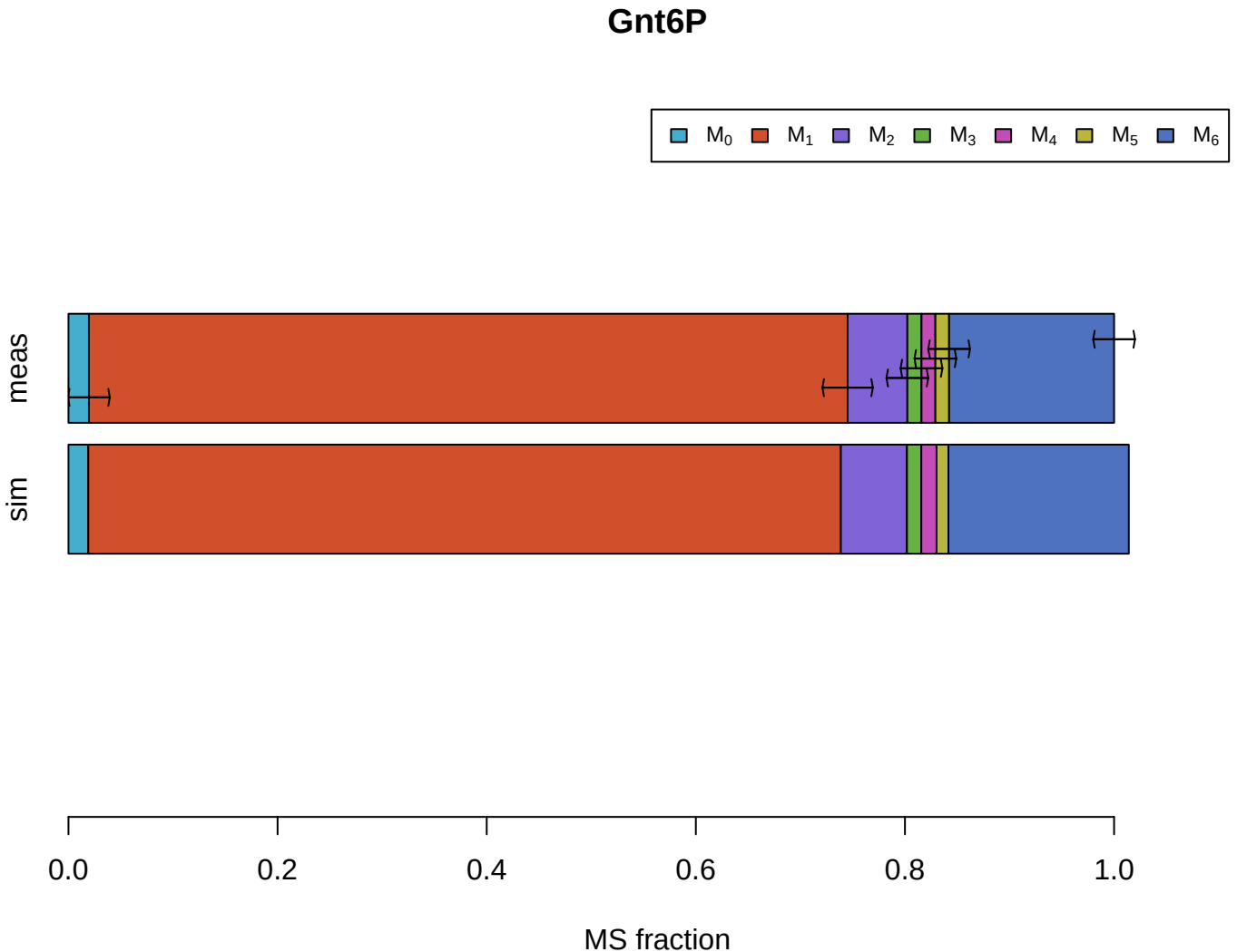
MS measurements
(error bars=±2*dev)

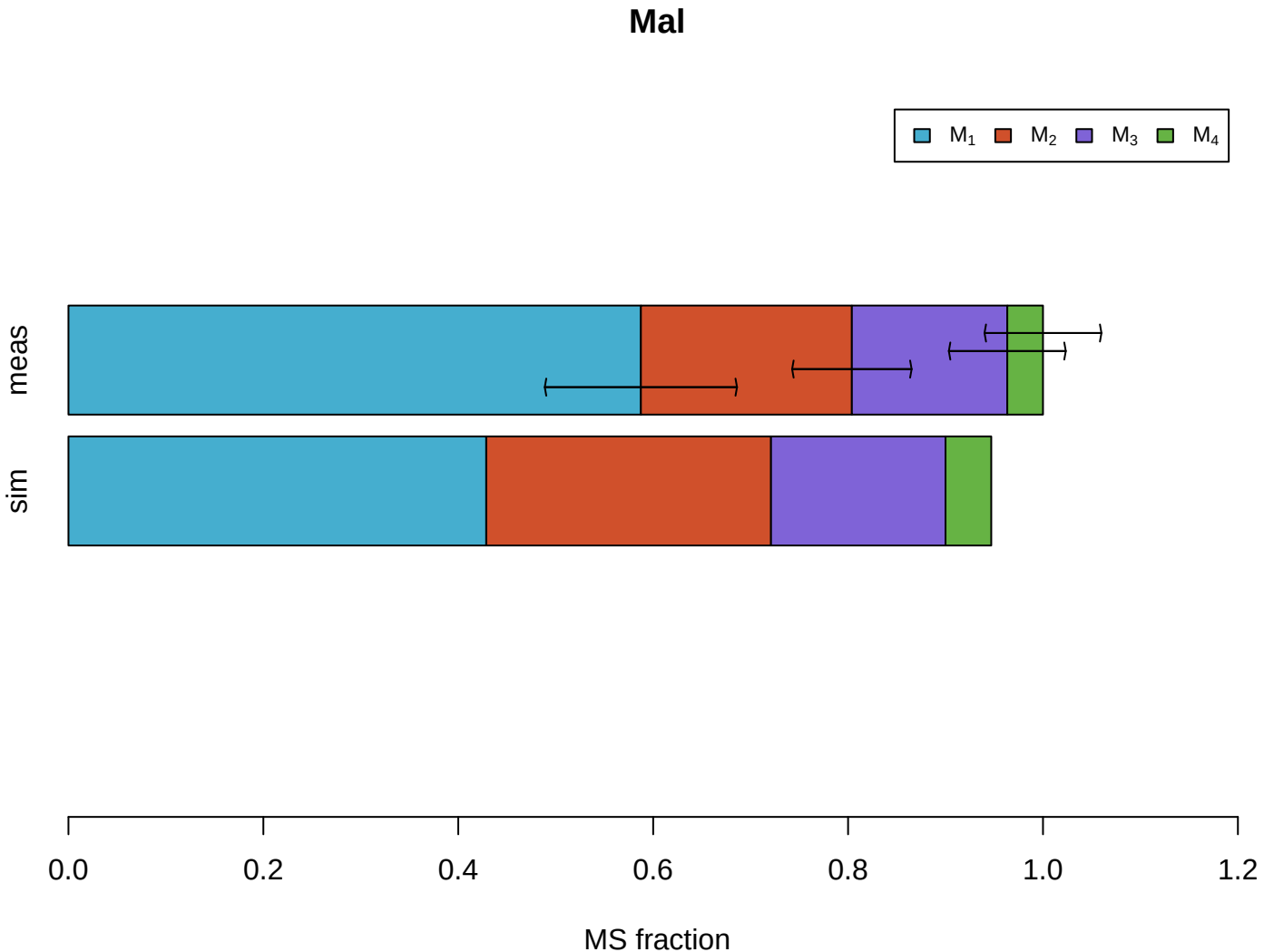

Cit
M1
M2
M3
M4
M5
M6
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

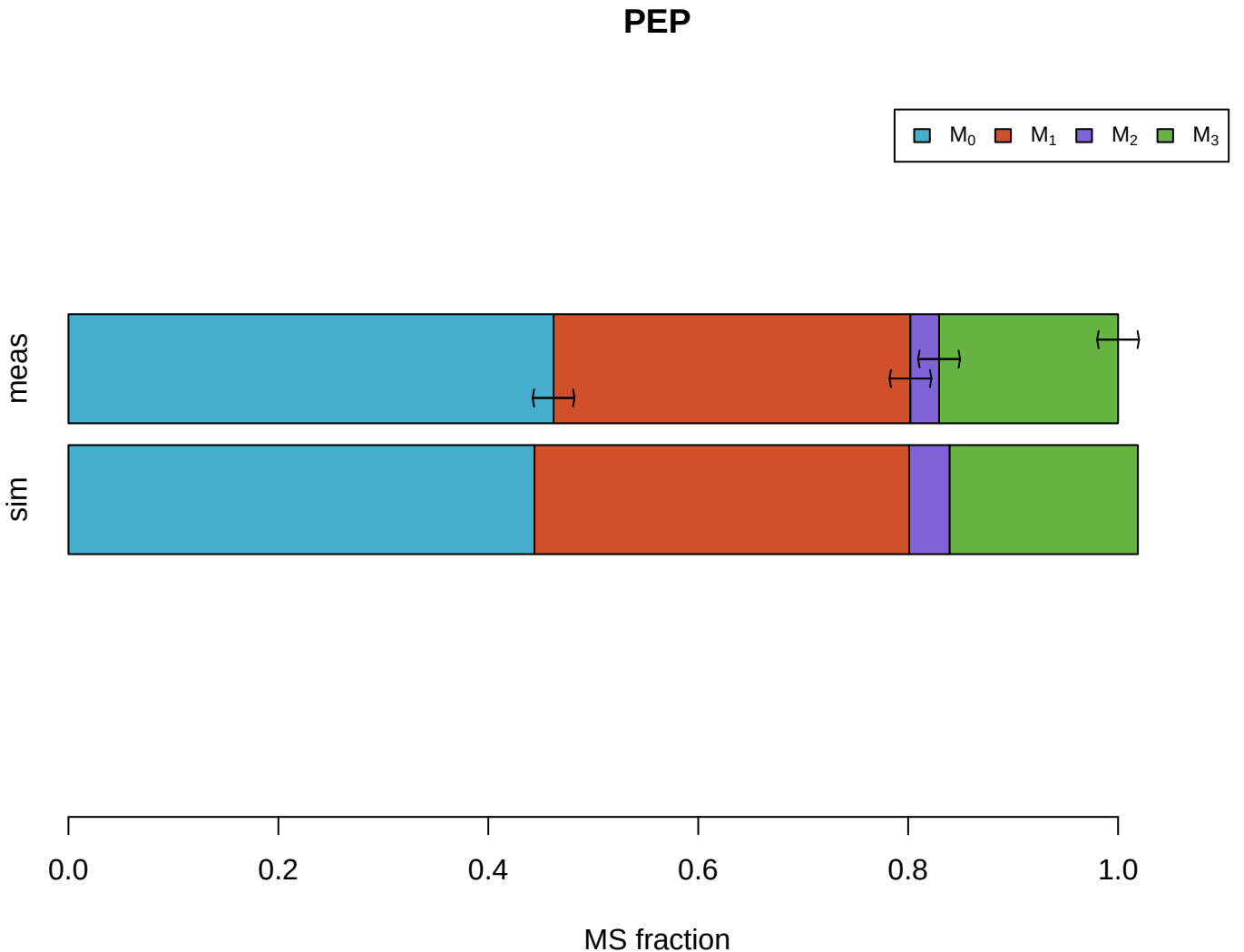

Fru6P
M0
M1
M2
M3
M4
M5
M6
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

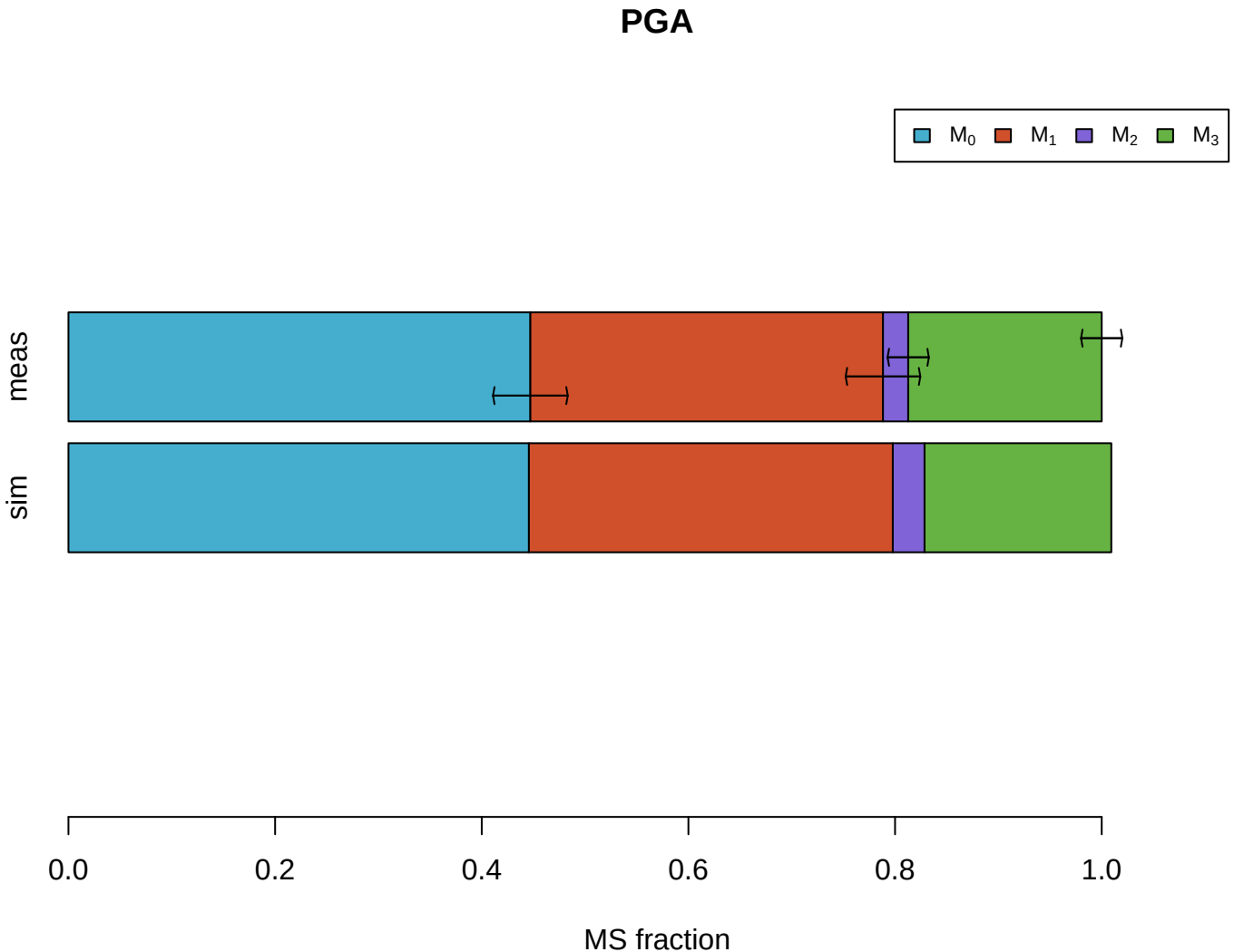

FruBP
M0
M1
M2
M3
M4
M5
M6
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

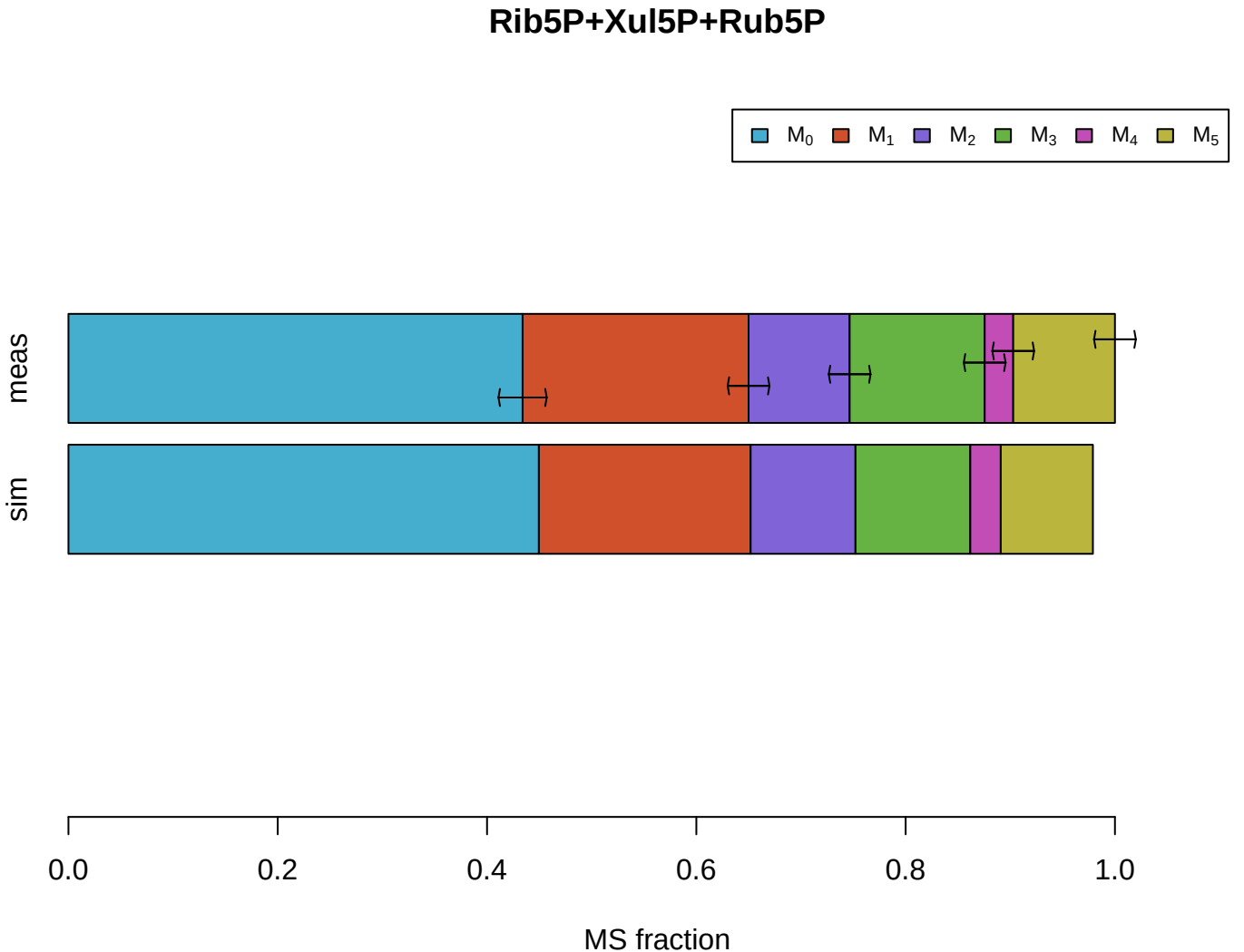

Glc6P
M0
M1
M2
M3
M4
M5
M6
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

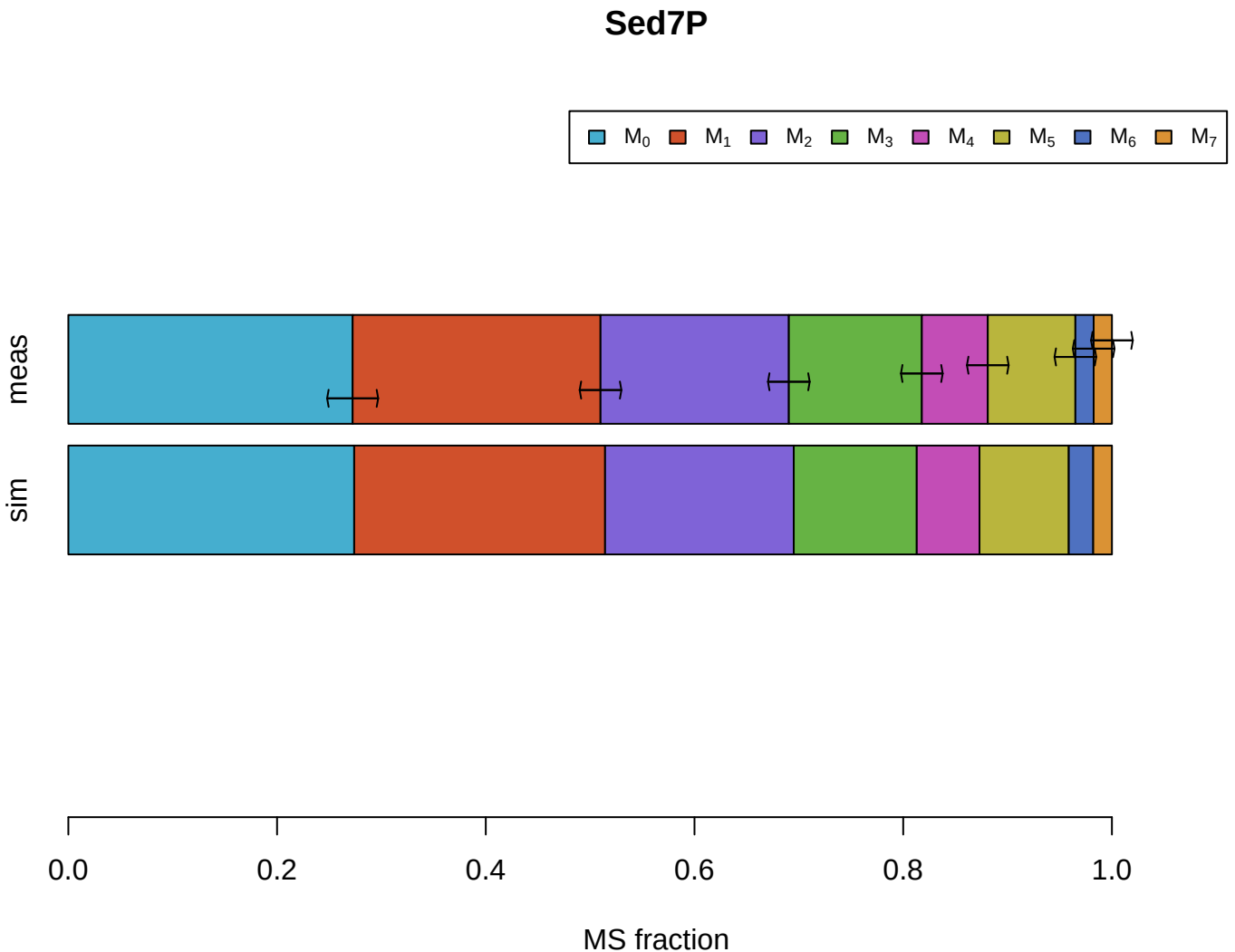

Gnt6P
M0
M1
M2
M3
M4
M5
M6
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction


Mal
M1
M2
M3
M4
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
1.2
MS fraction

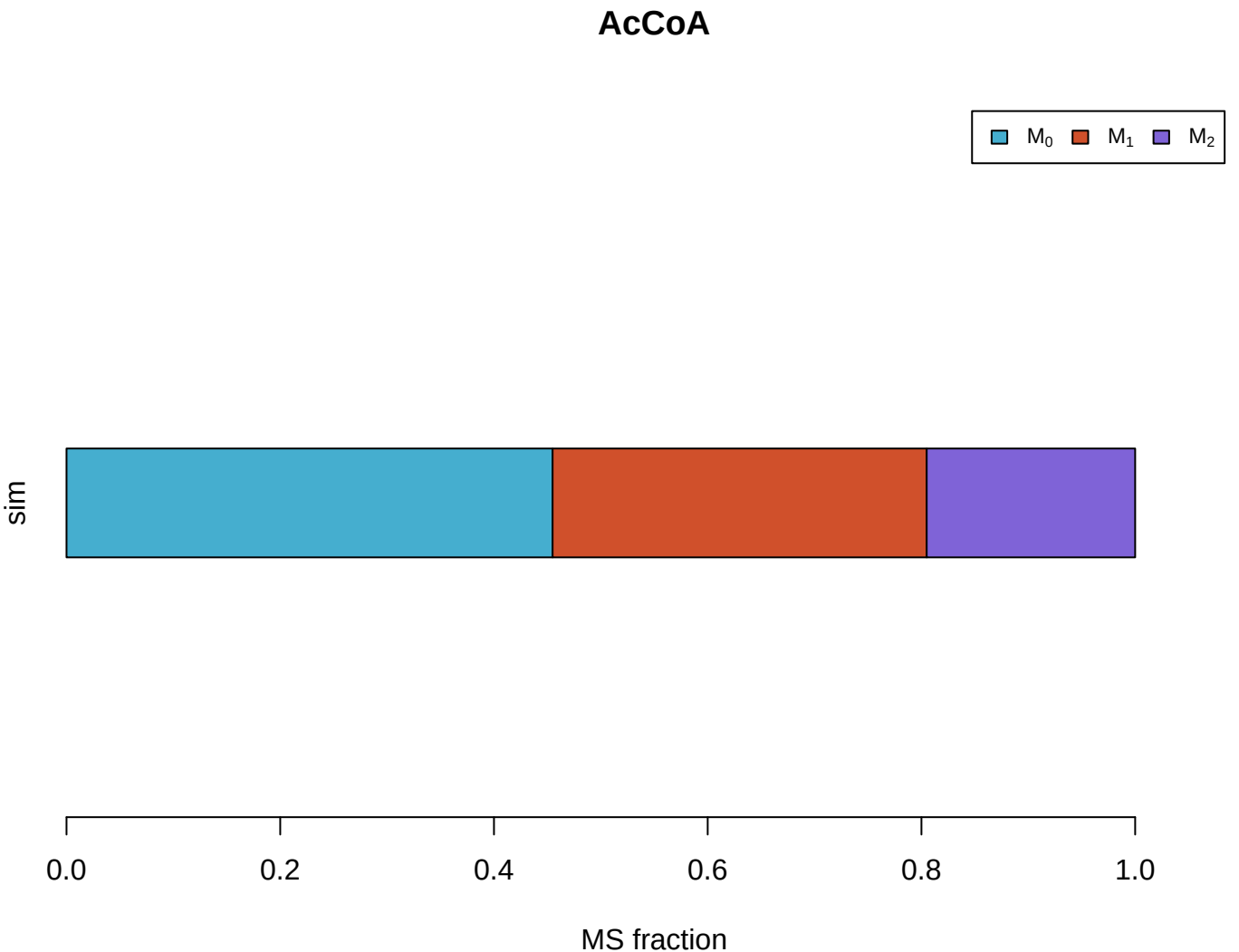

PEP
M0
M1
M2
M3
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

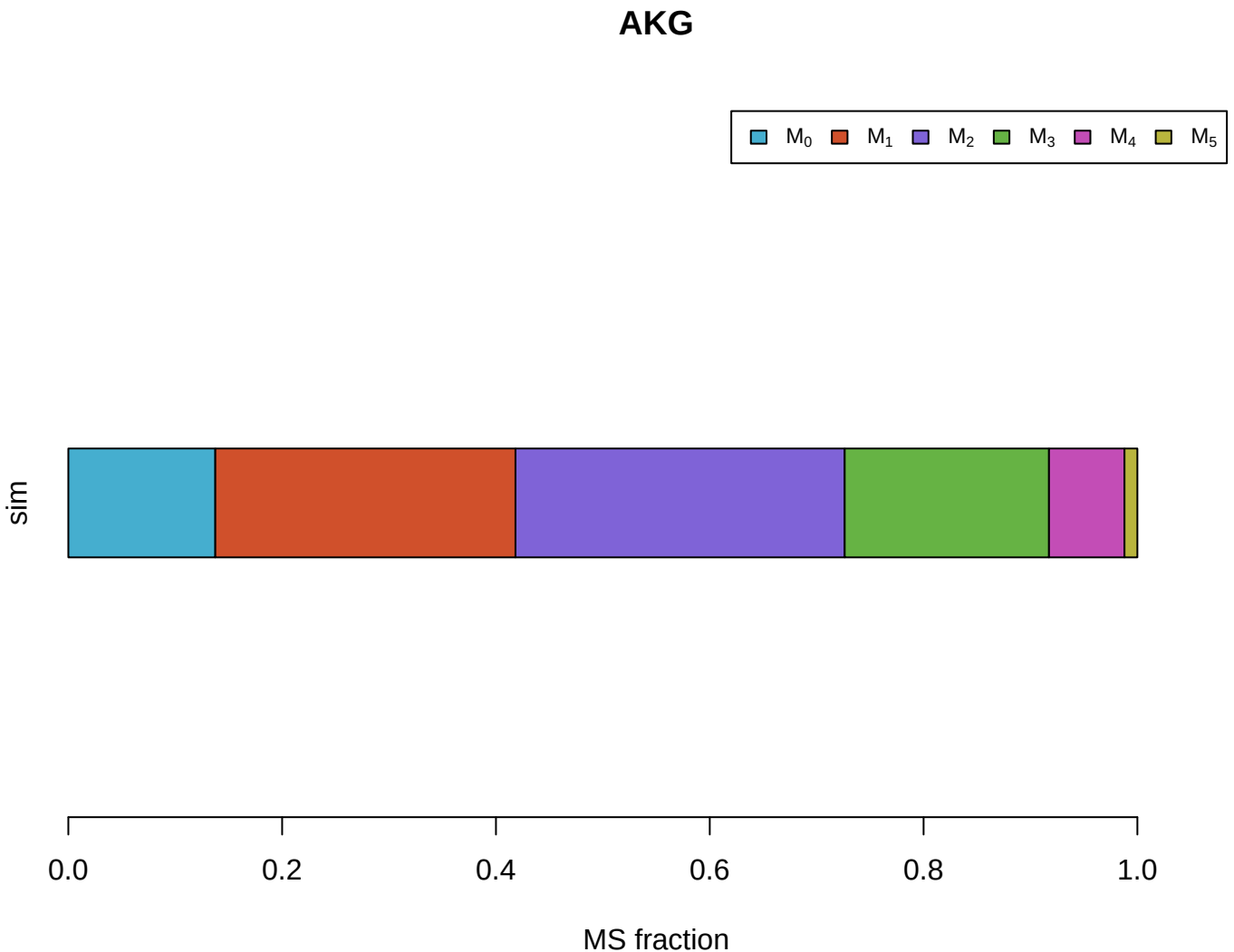

PGA
M0
M1
M2
M3
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

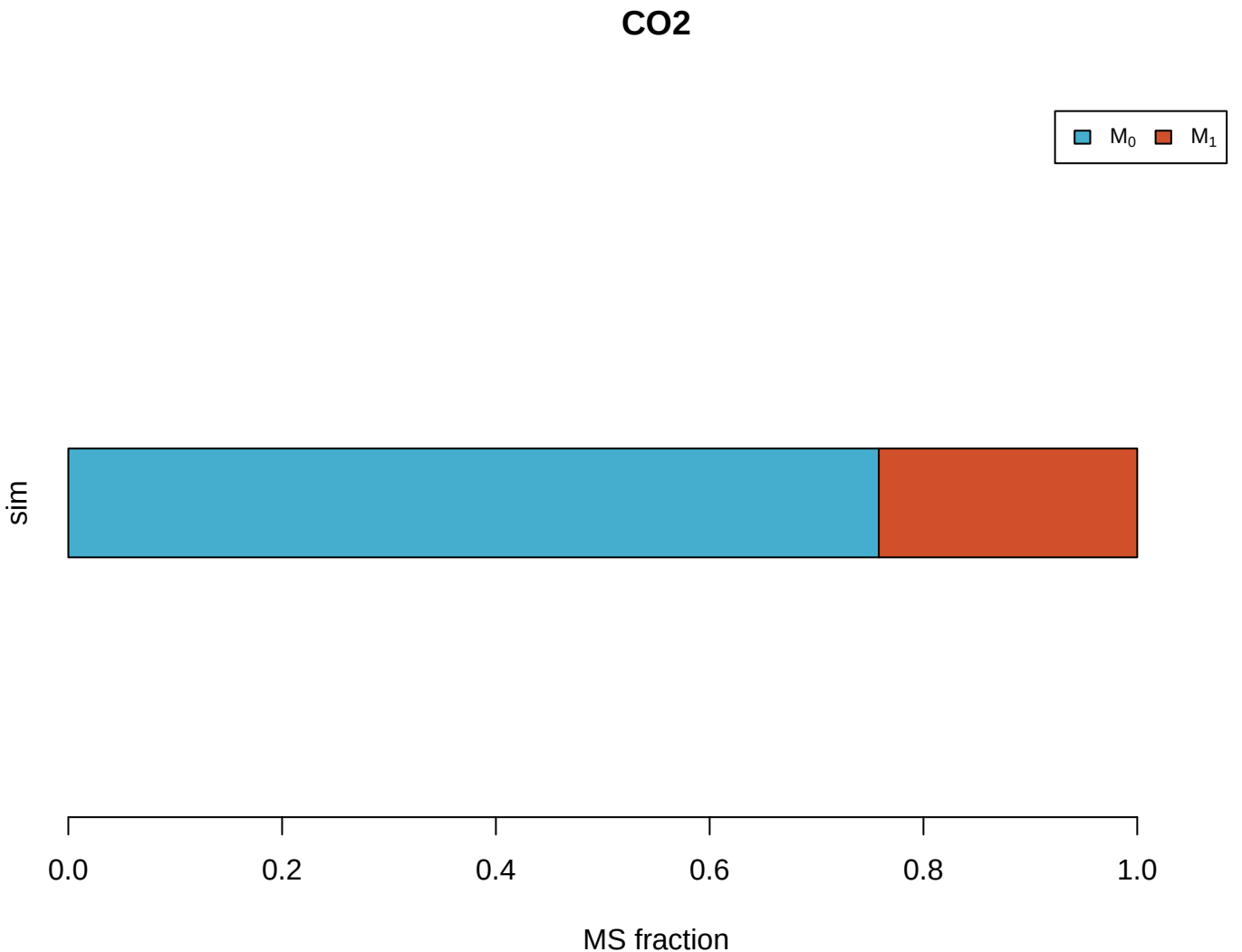

Rib5P+Xul5P+Rub5P
M0
M1
M2
M3
M4
M5
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

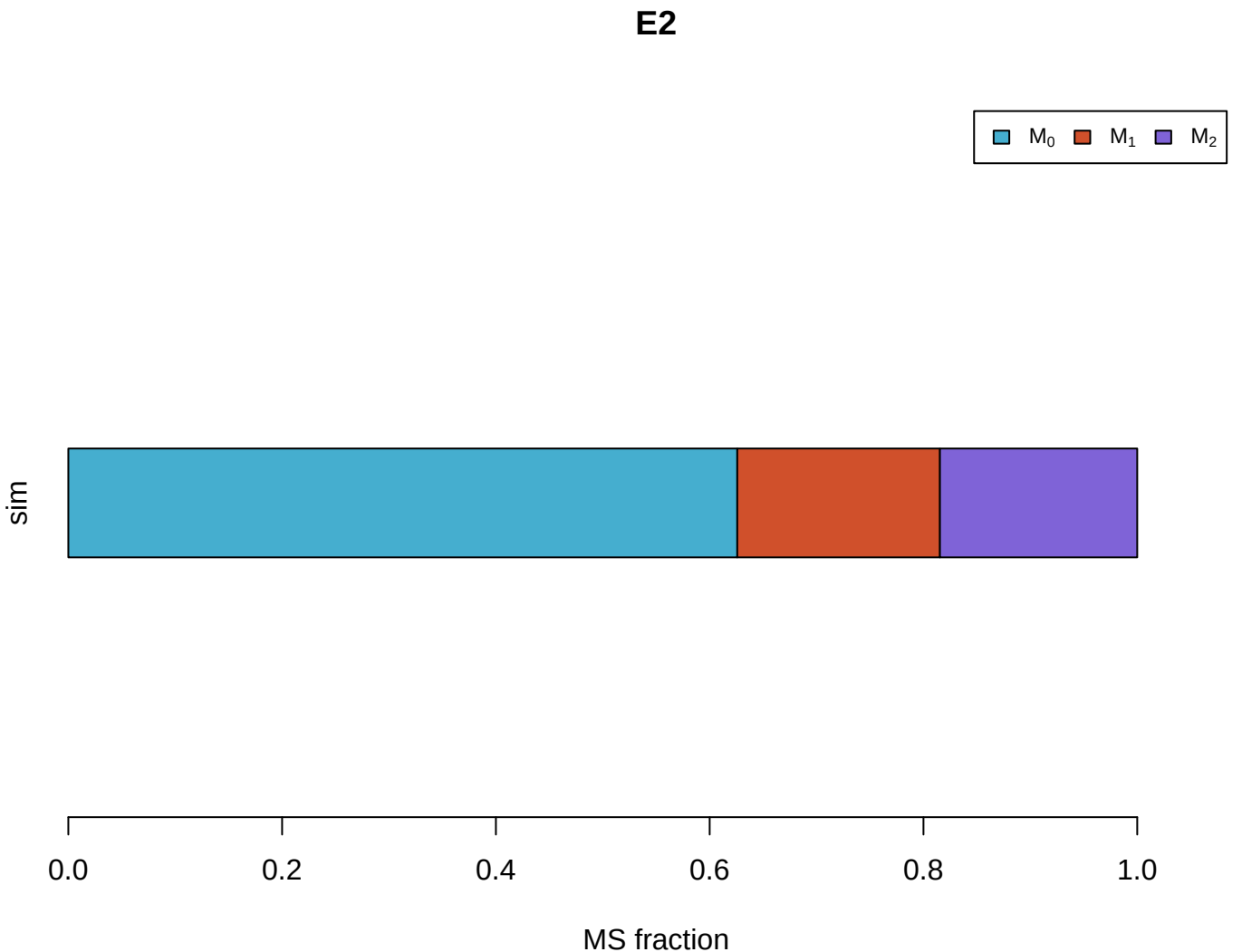

Sed7P
M0
M1
M2
M3
M4
M5
M6
M7
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

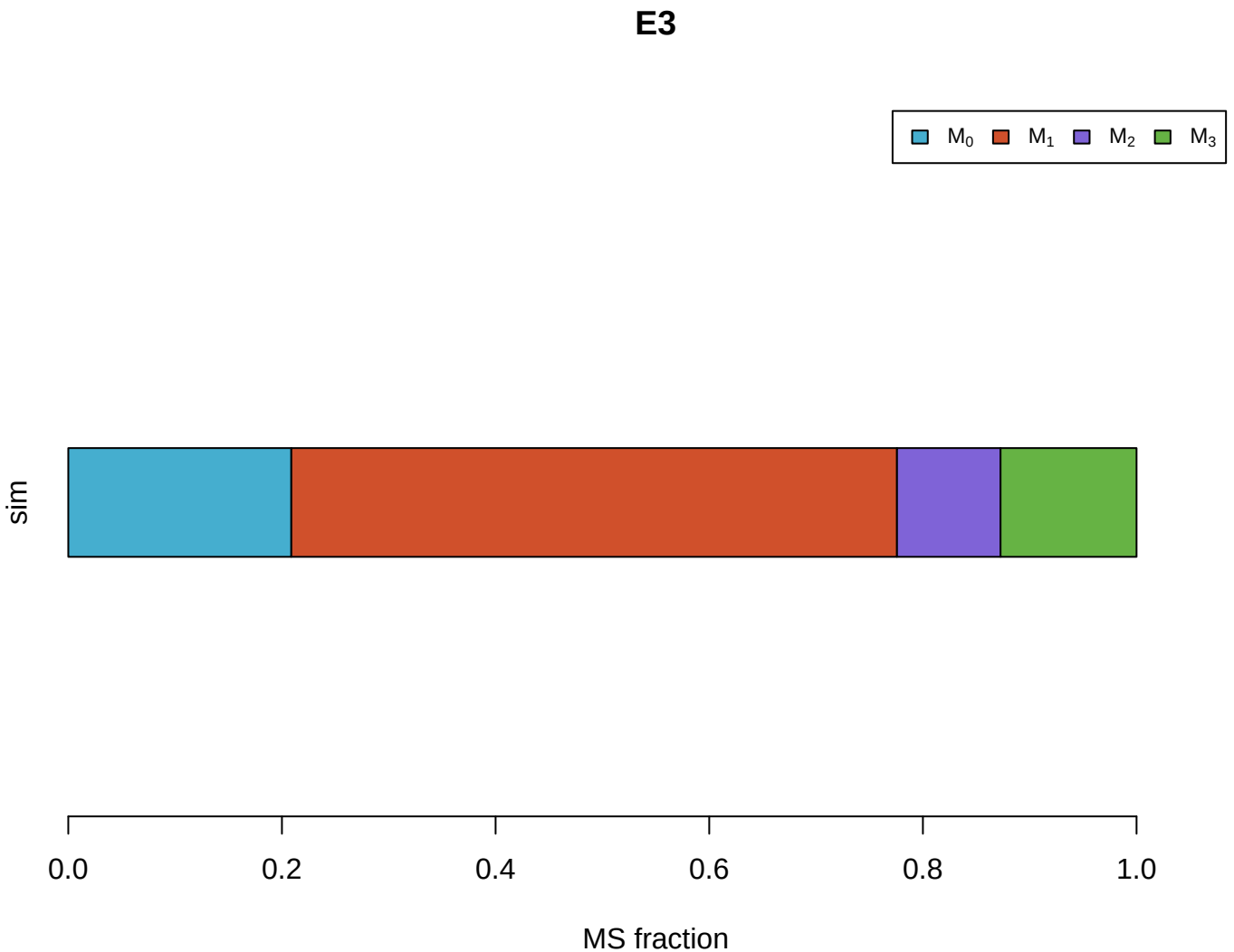
MS simulations

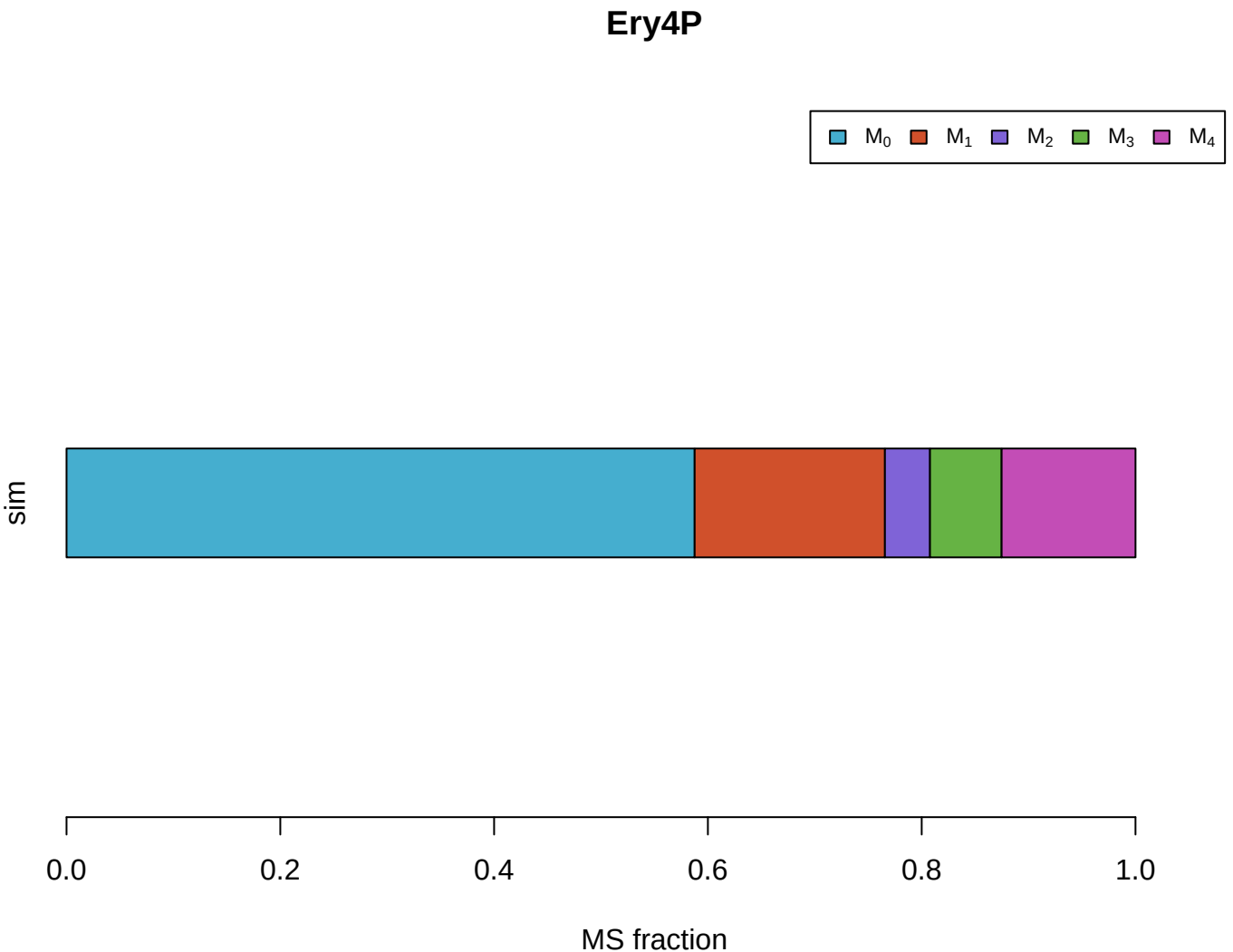

AcCoA
M0
M1
M2
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

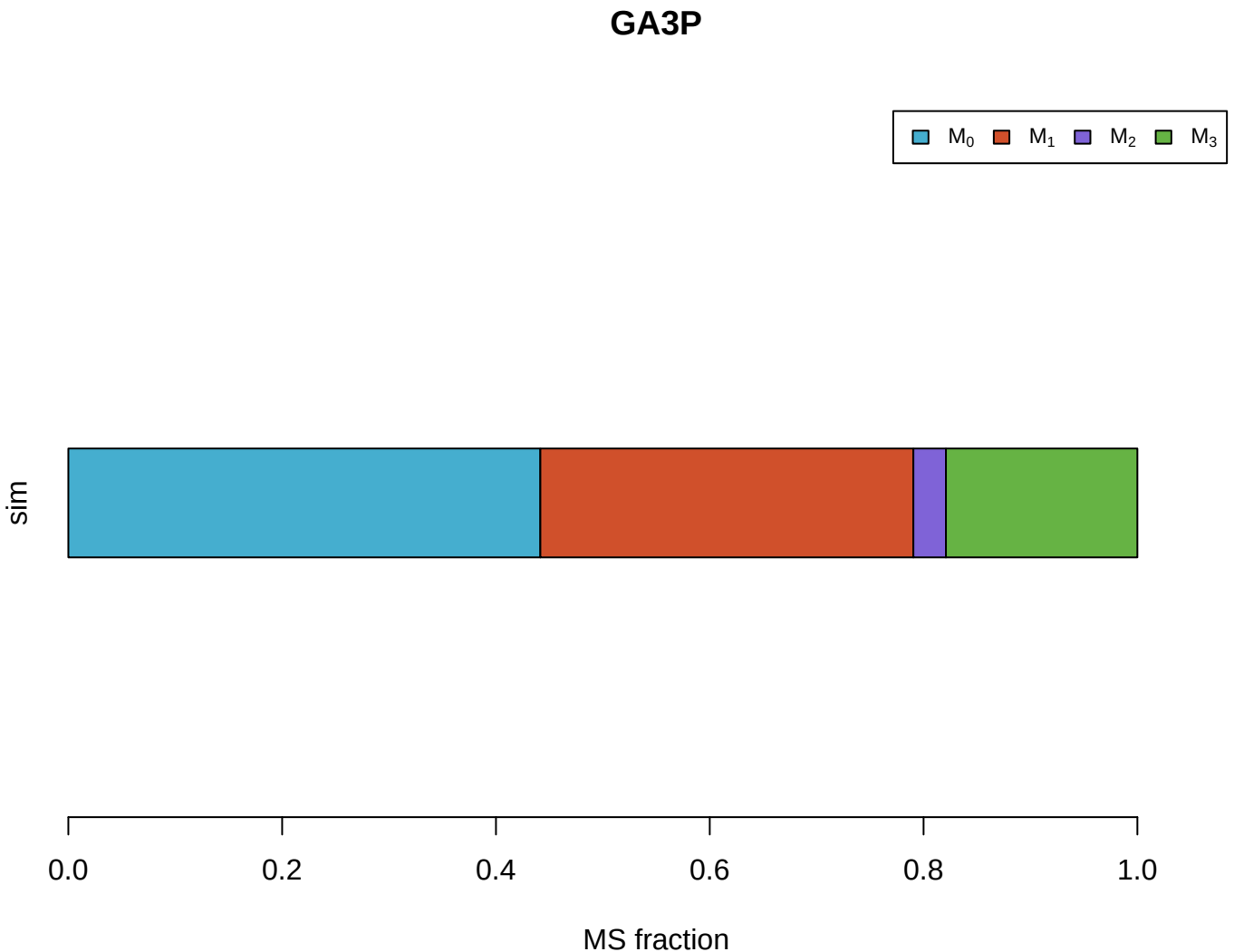

AKG
M0
M1
M2
M3
M4
M5
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

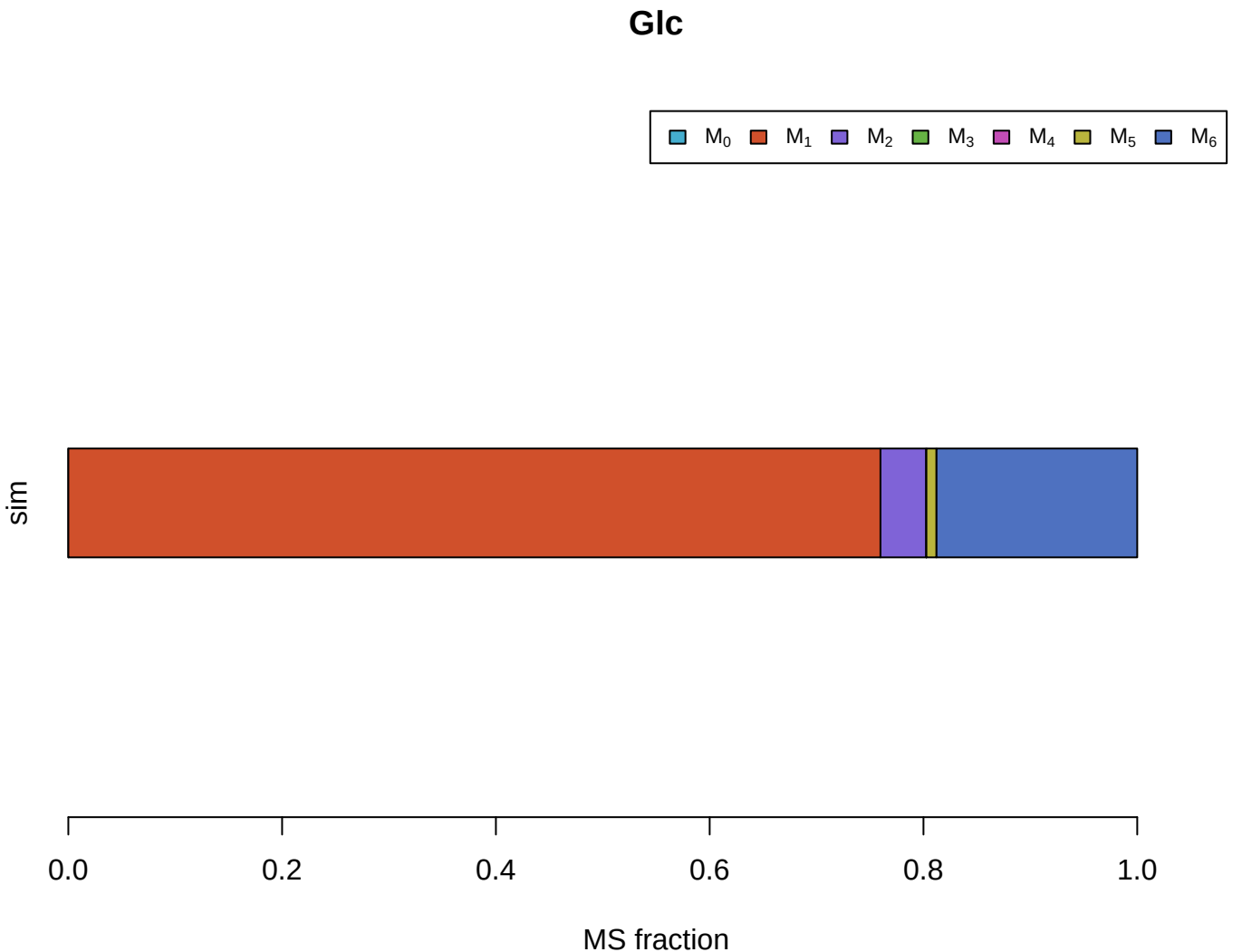

CO2
M0
M1
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

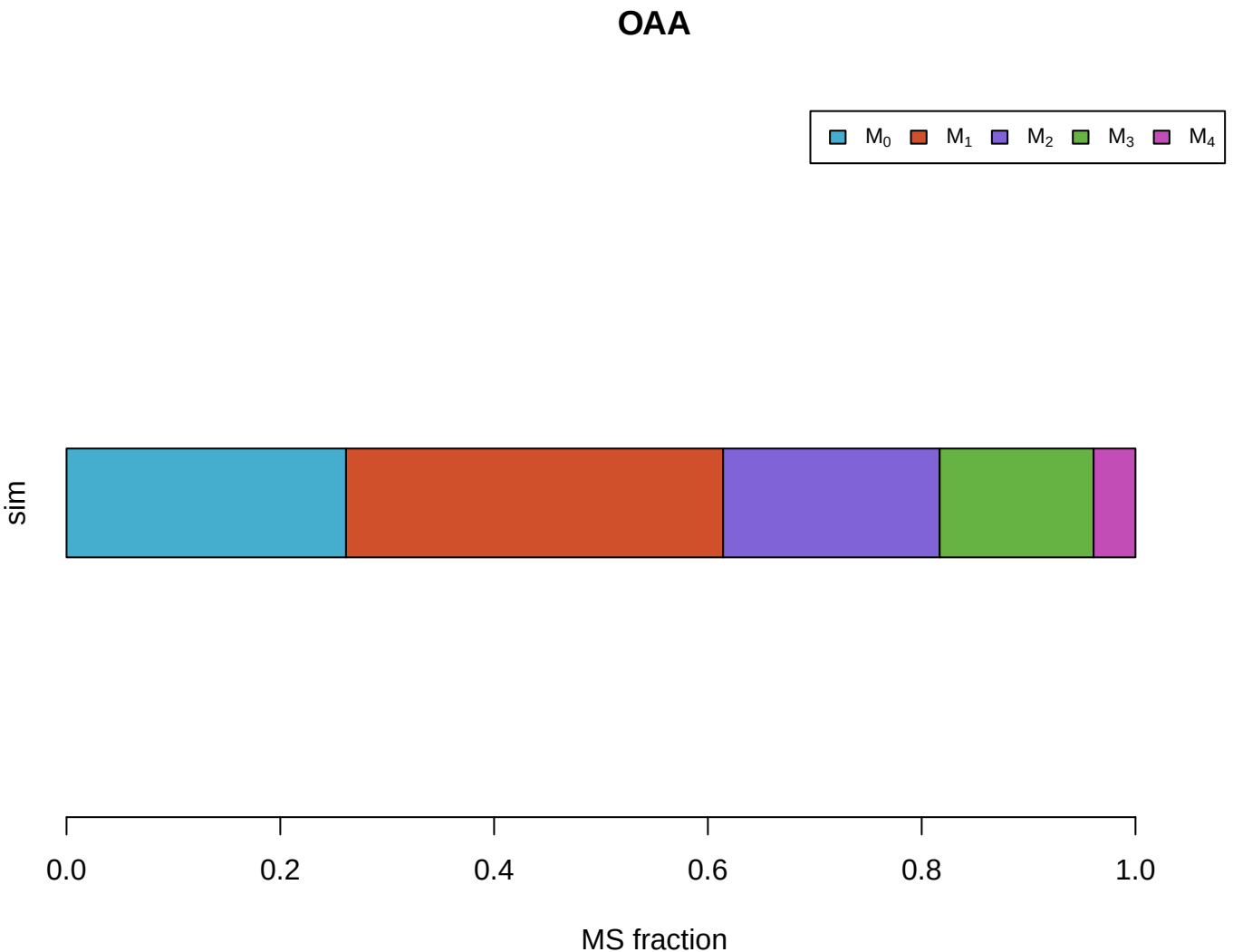

E2
M0
M1
M2
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

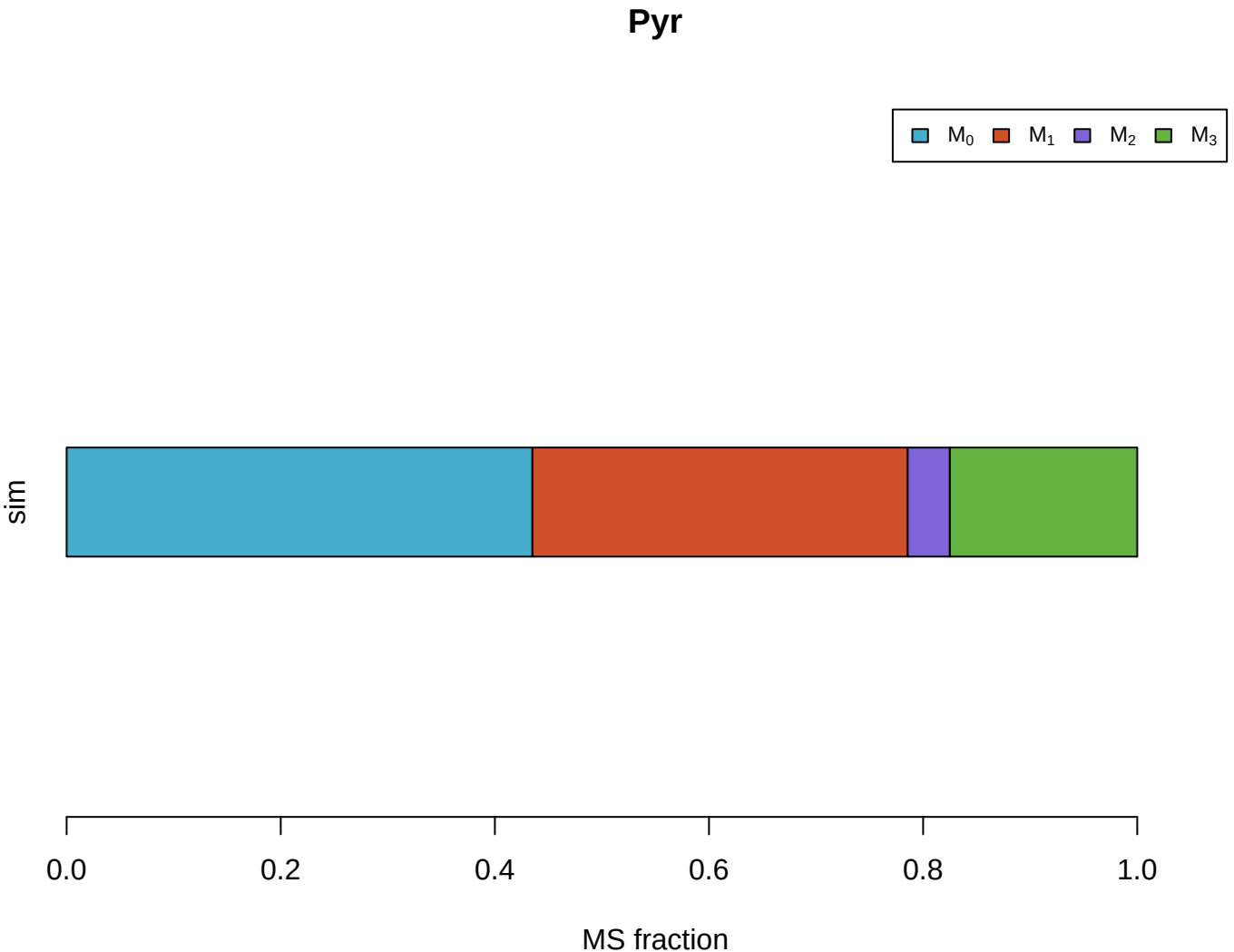

E3
M0
M1
M2
M3
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

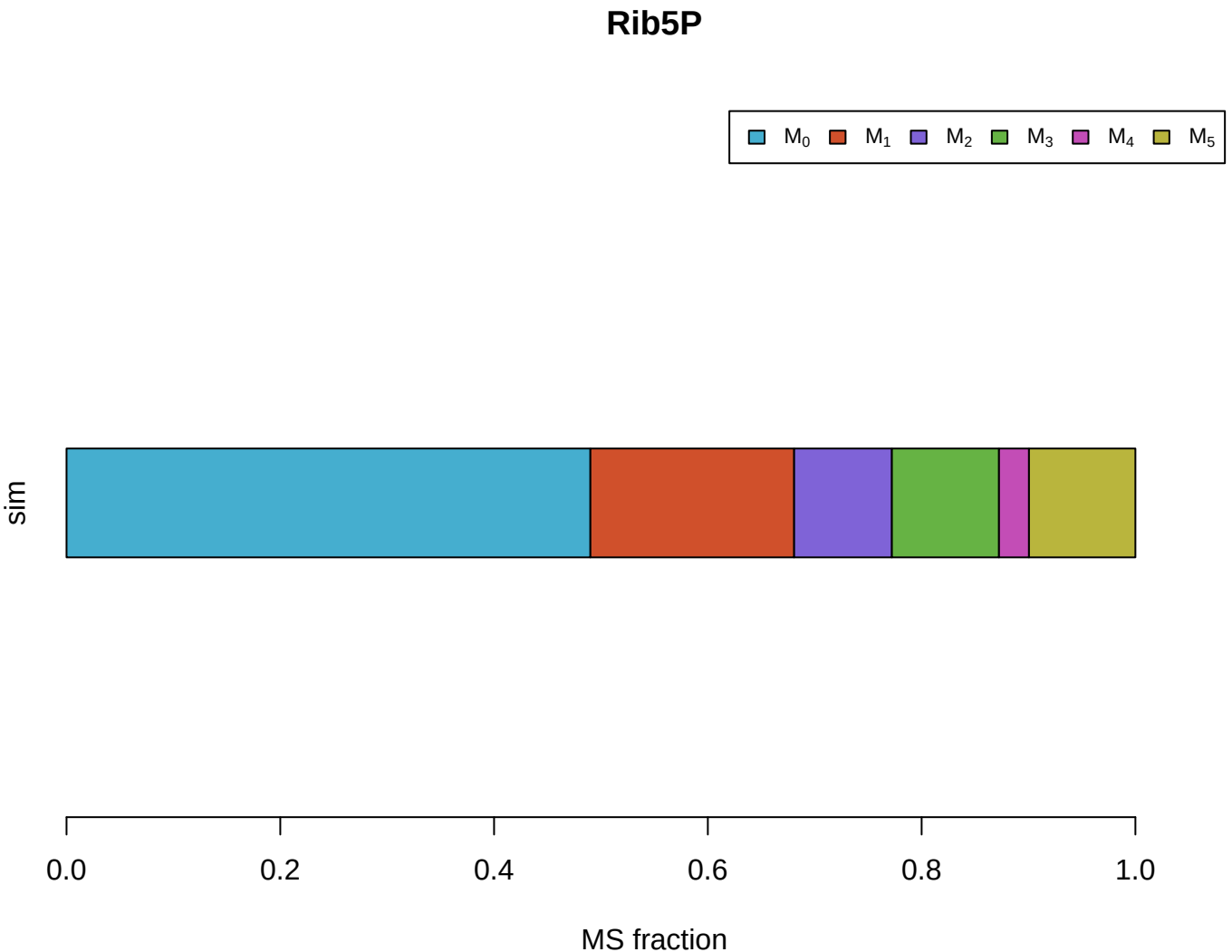

Ery4P
M0
M1
M2
M3
M4
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

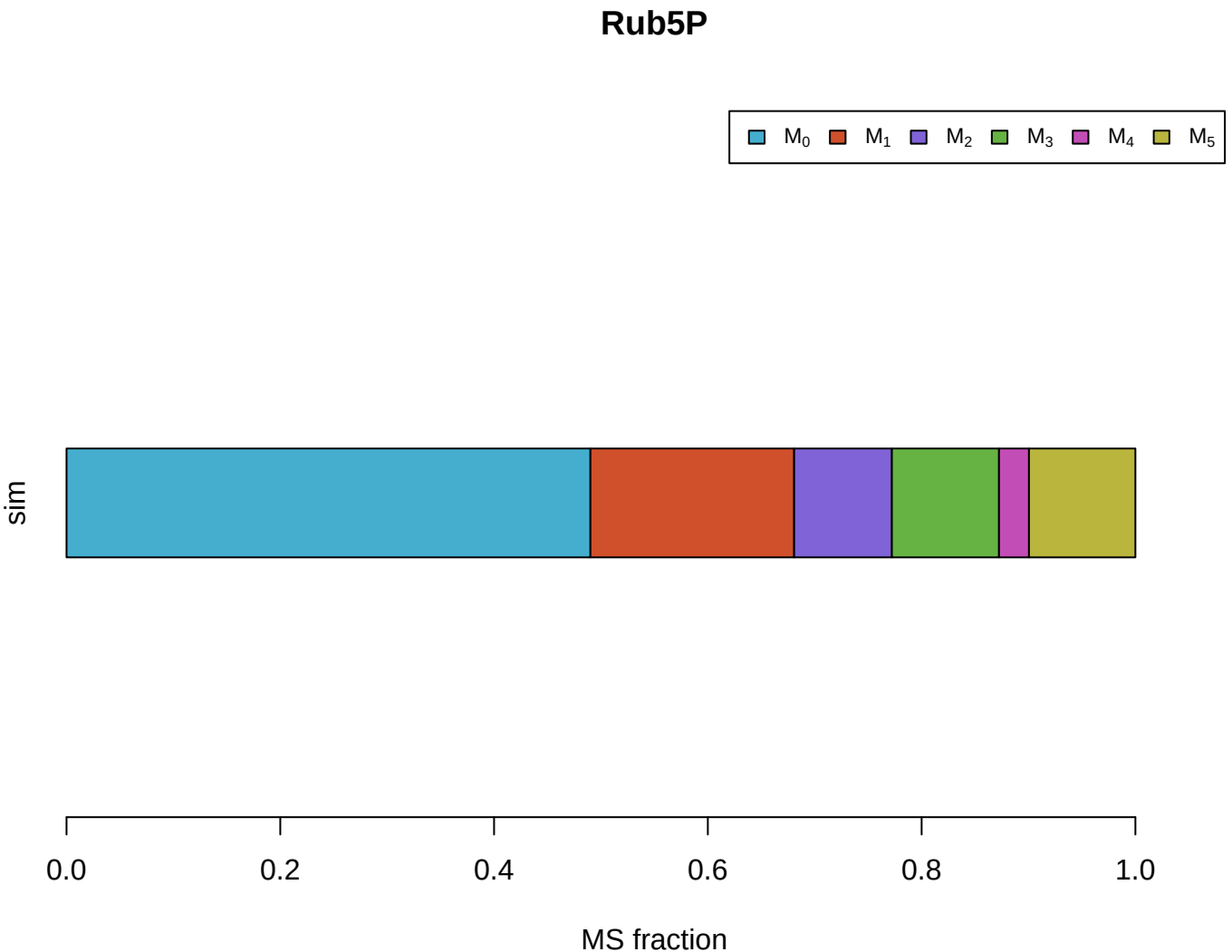

GA3P
M0
M1
M2
M3
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

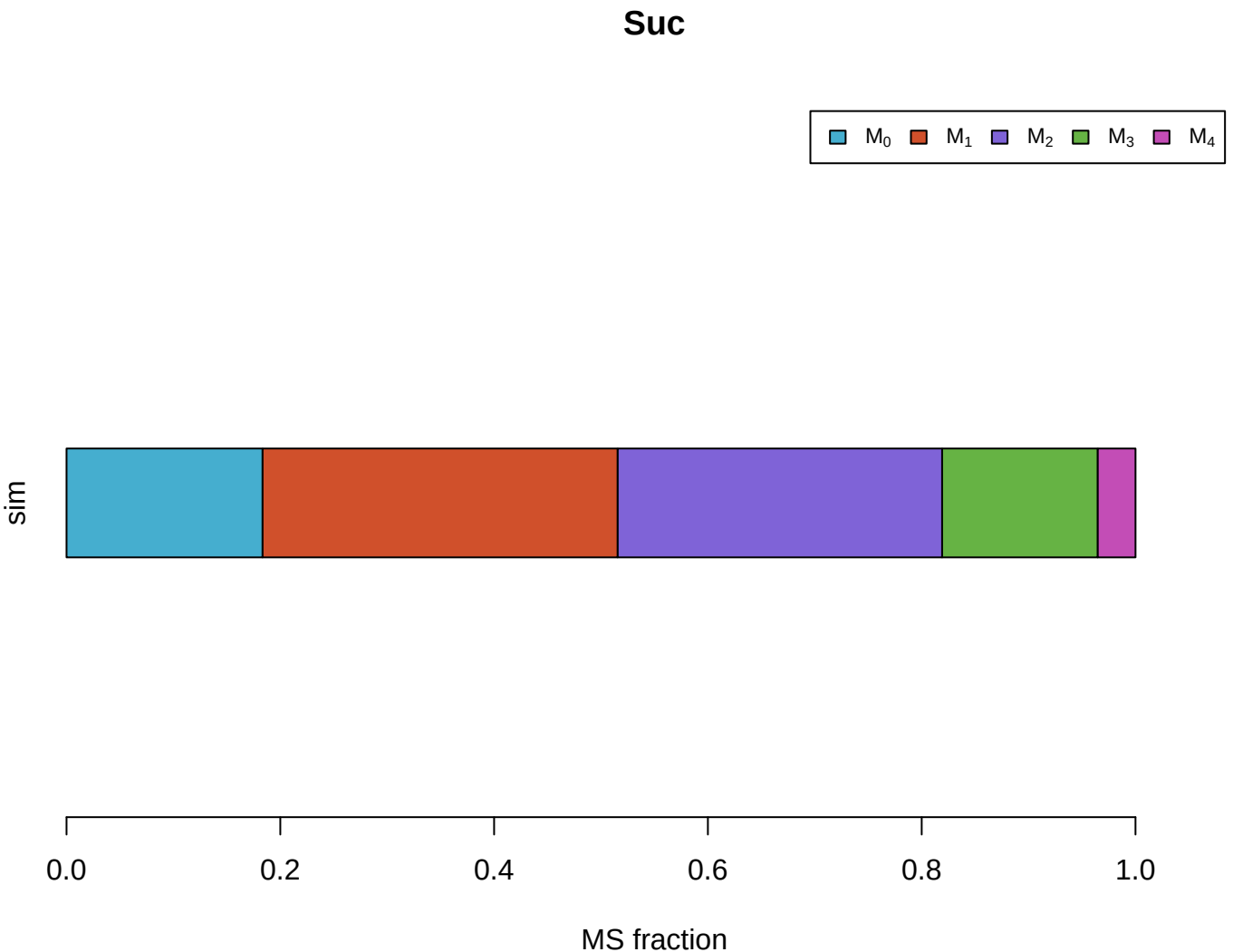

Glc
M0
M1
M2
M3
M4
M5
M6
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

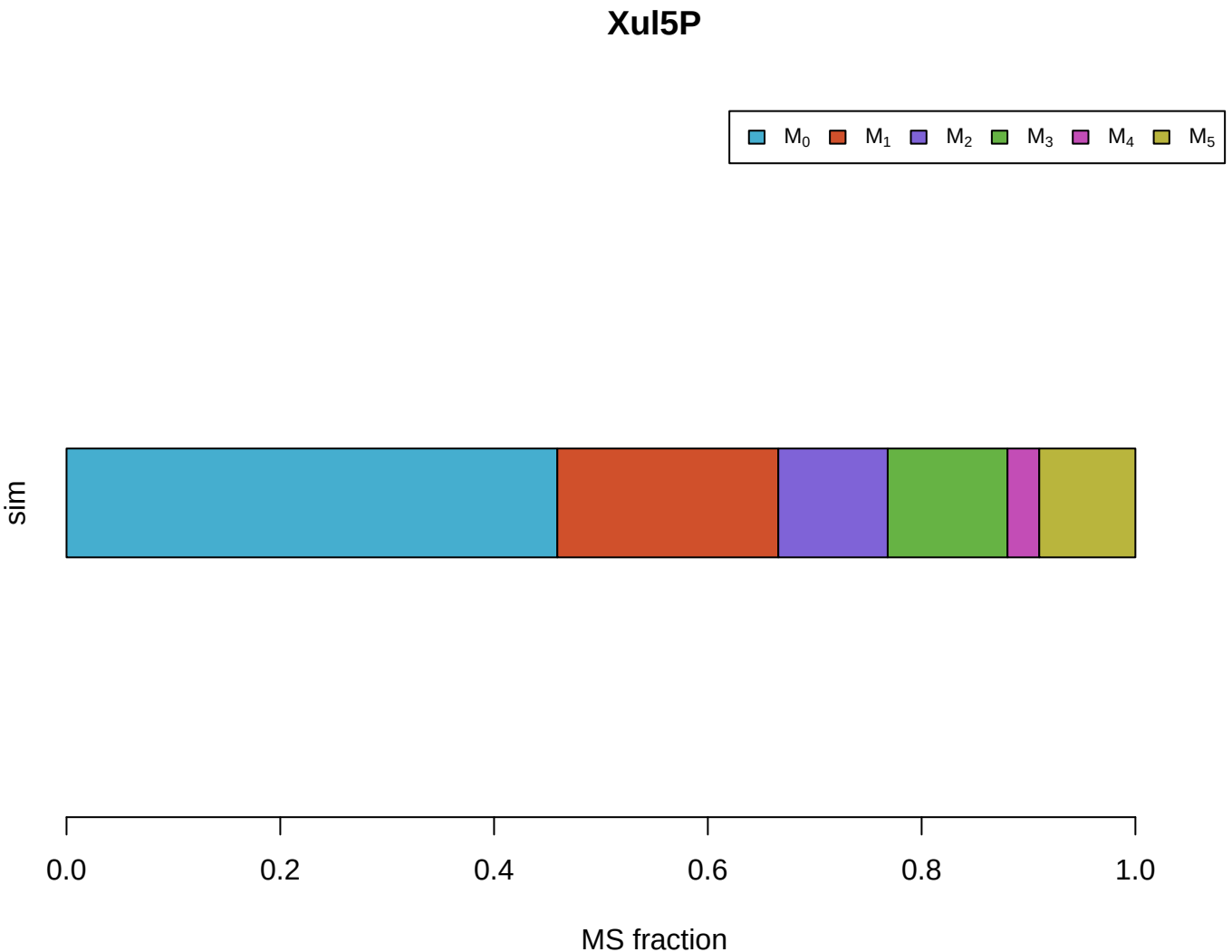

OAA
M0
M1
M2
M3
M4
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction


Pyr
M0
M1
M2
M3
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

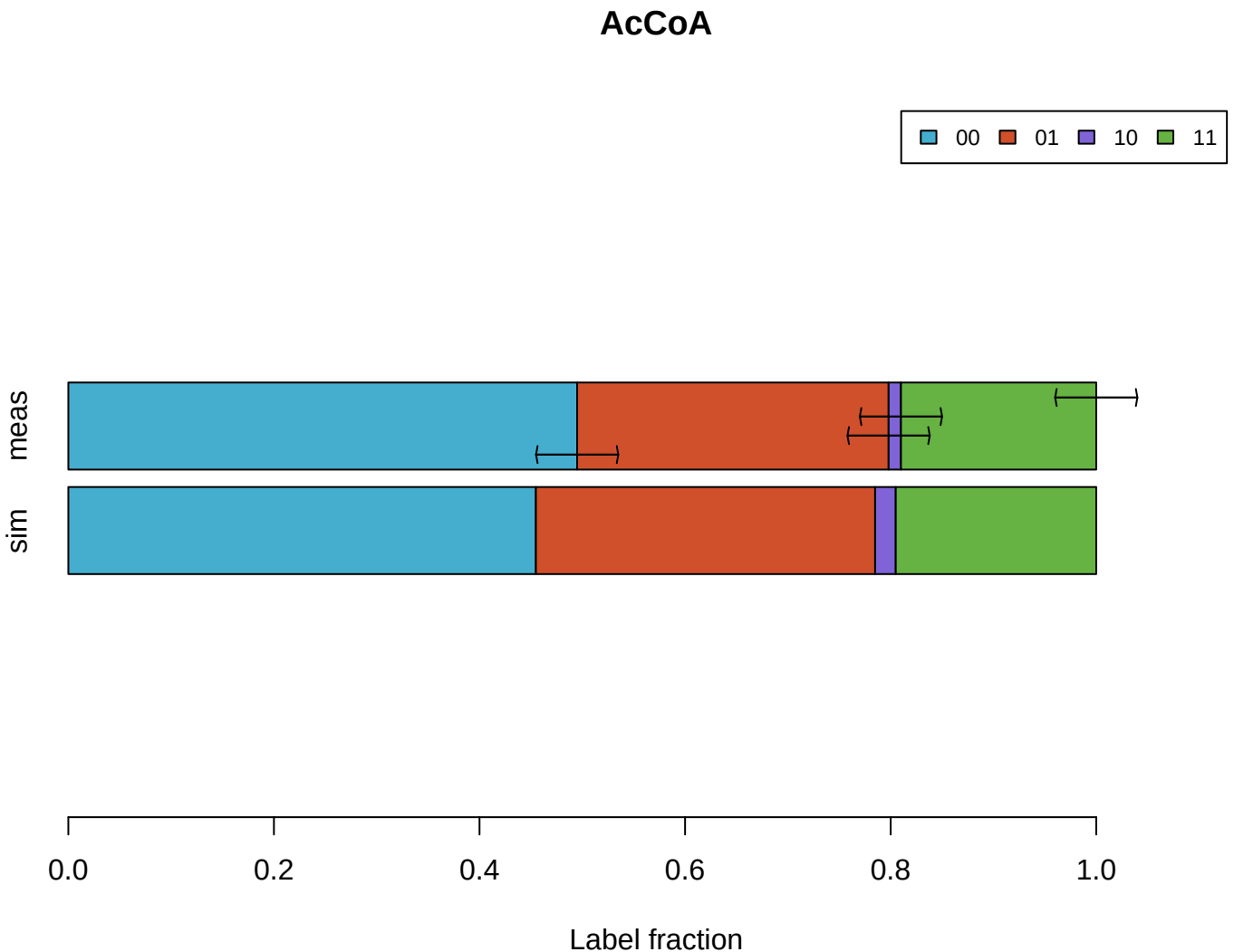

Rib5P
M0
M1
M2
M3
M4
M5
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction


Rub5P
M0
M1
M2
M3
M4
M5
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

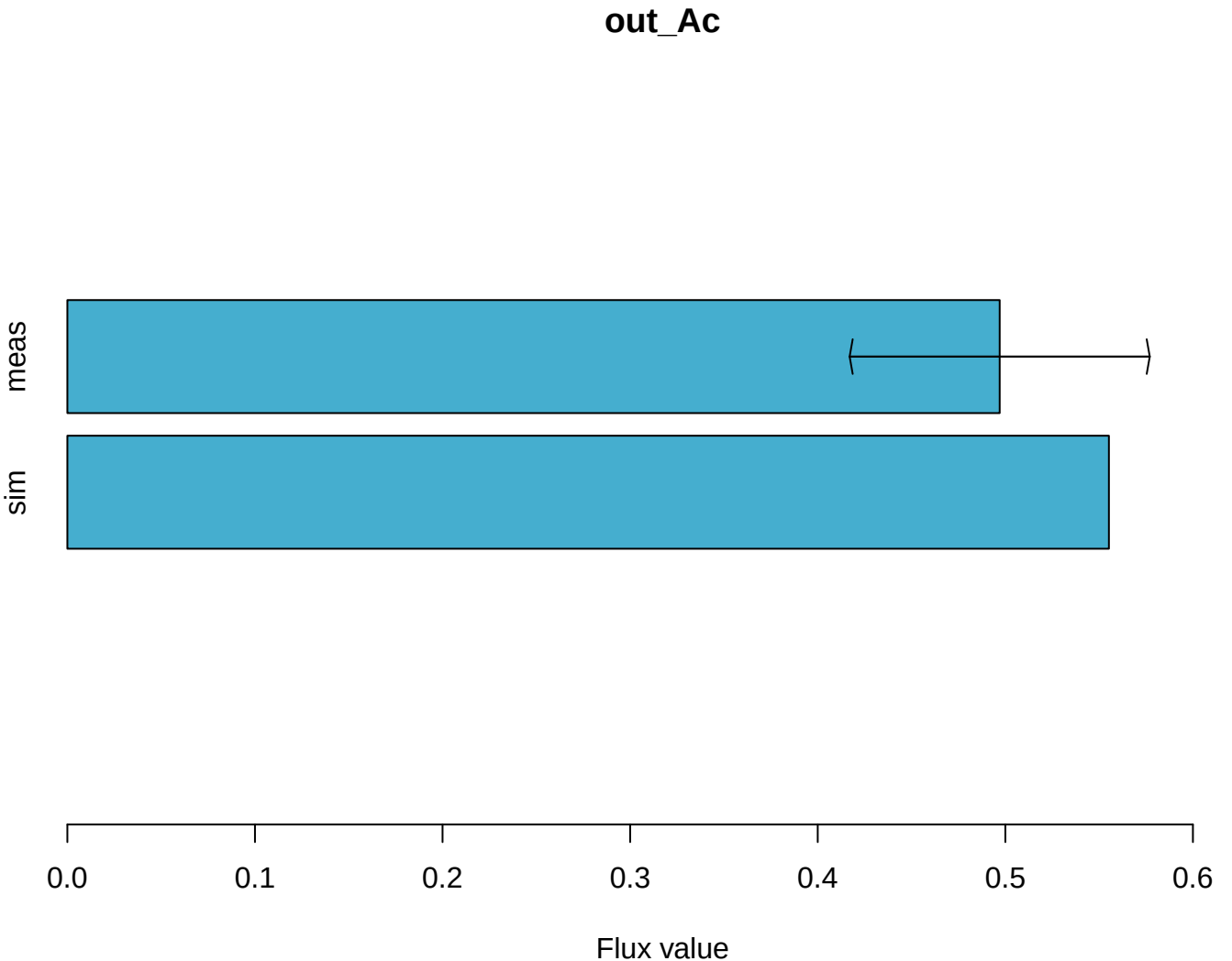

Suc
M0
M1
M2
M3
M4
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction


Xul5P
M0
M1
M2
M3
M4
M5
sim
0.0
0.2
0.4
0.6
0.8
1.0
MS fraction

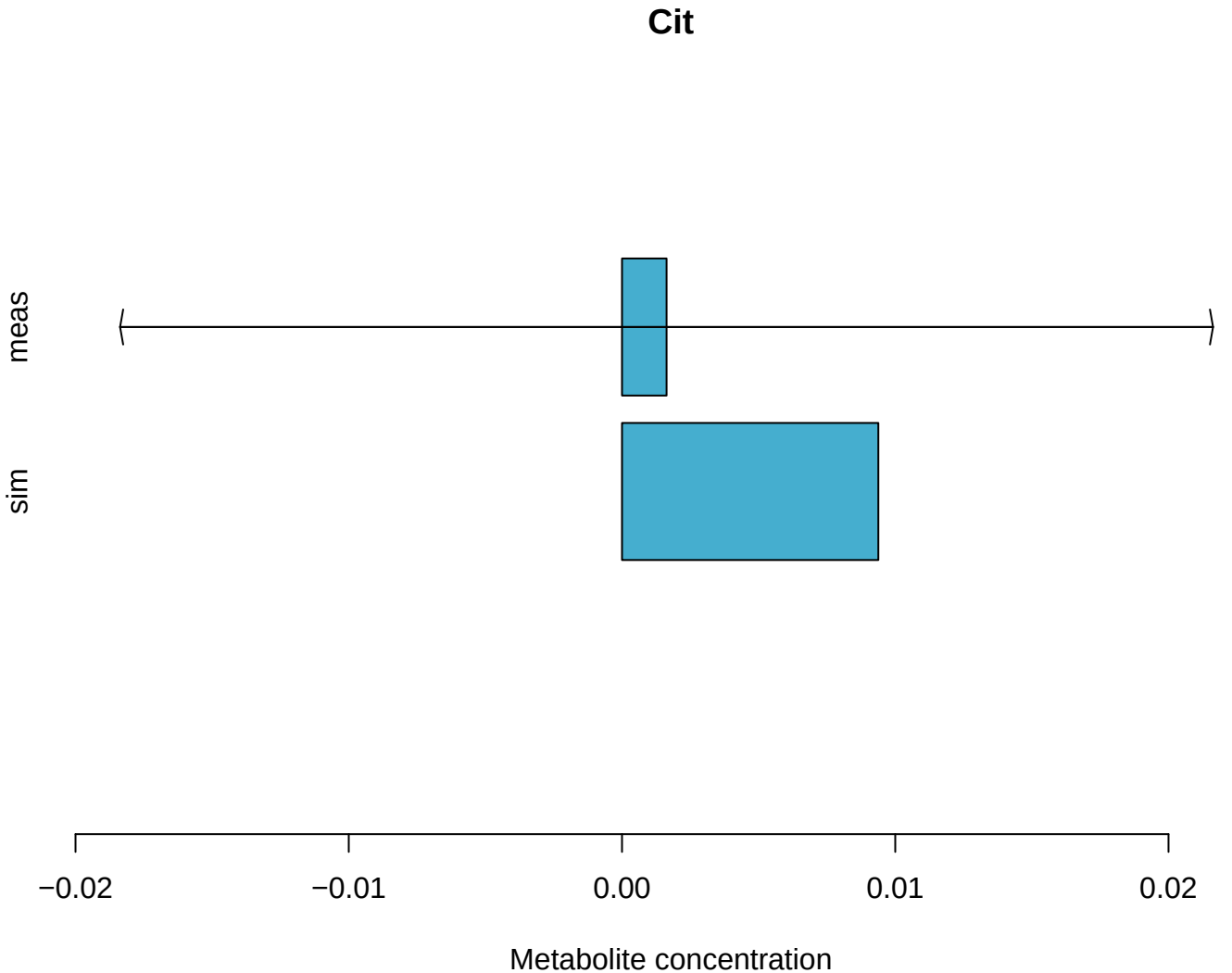
Label measurements
(error bars=±2*dev)

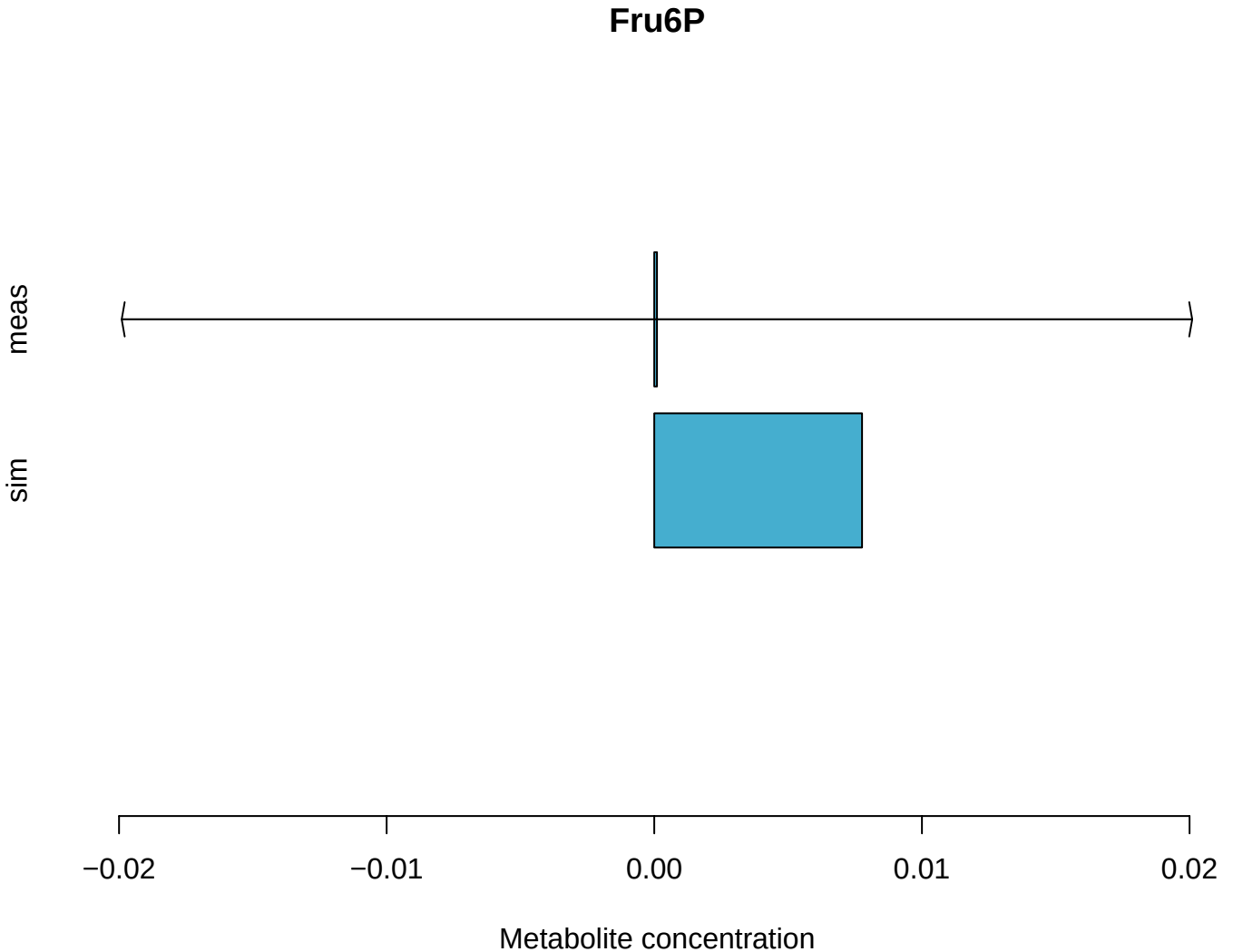

AcCoA
00
01
10
11
meas
sim
0.0
0.2
0.4
0.6
0.8
1.0
Label fraction

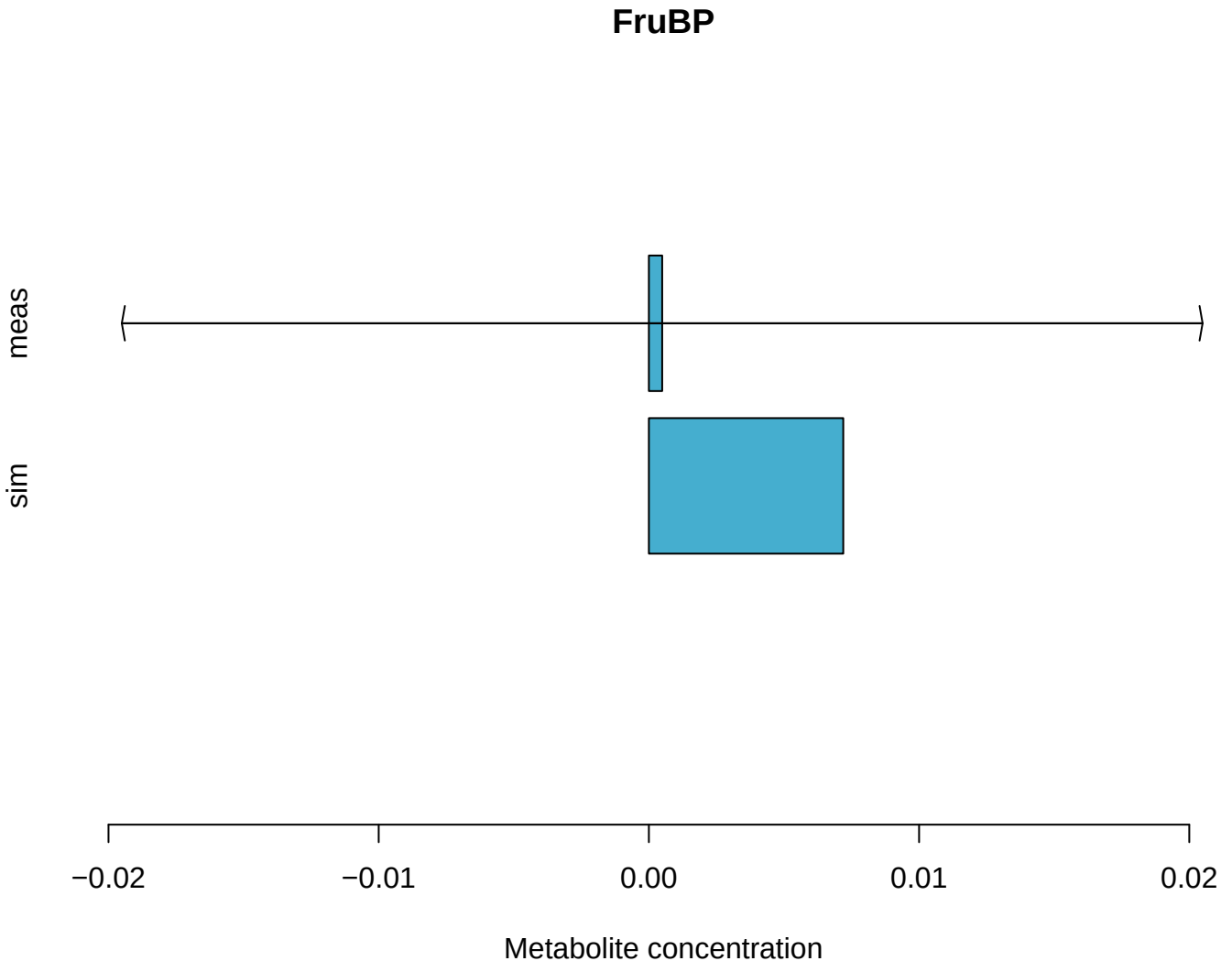
Flux measurements
(error bars=±2*dev)

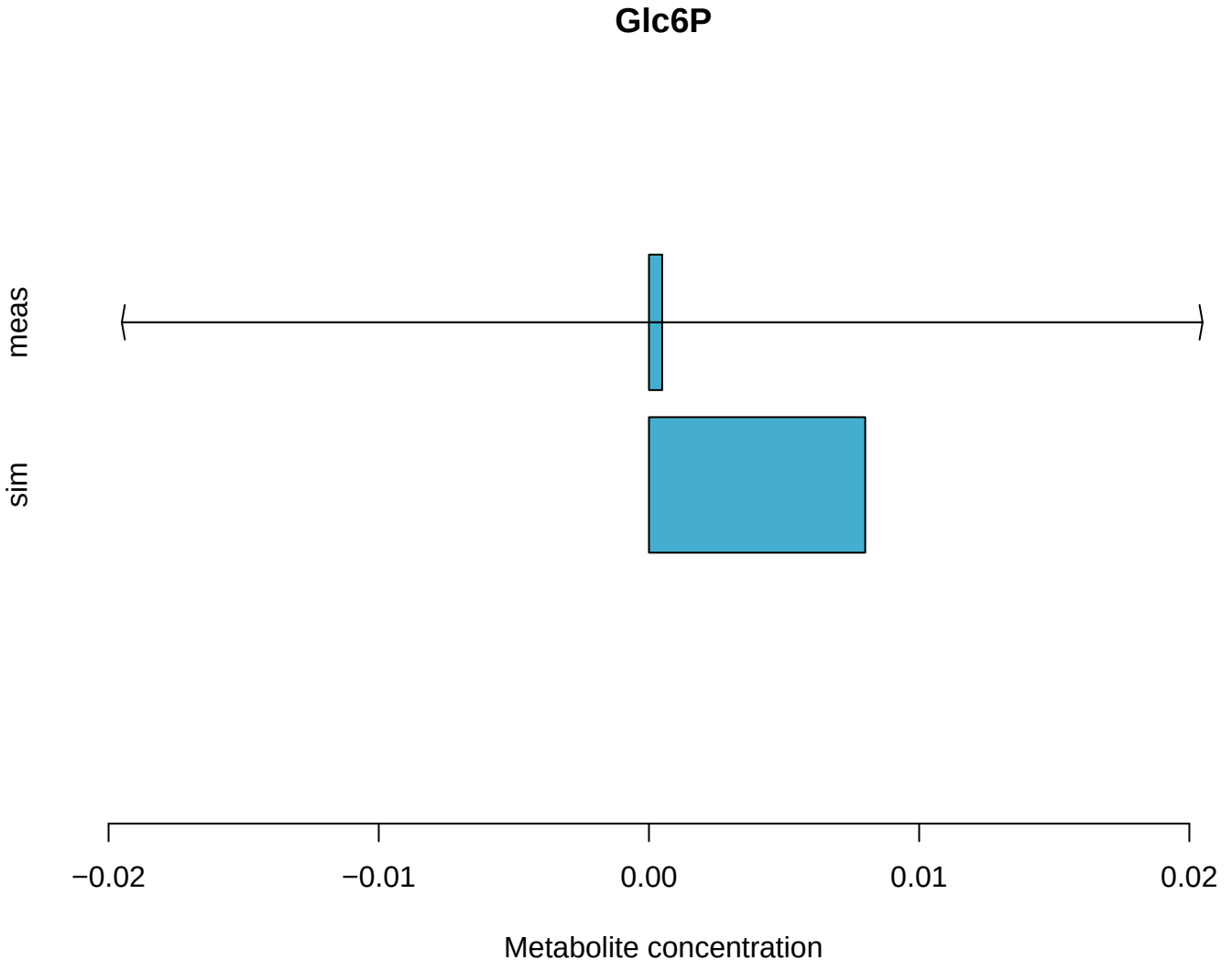

out_Ac
meas
sim
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Flux value

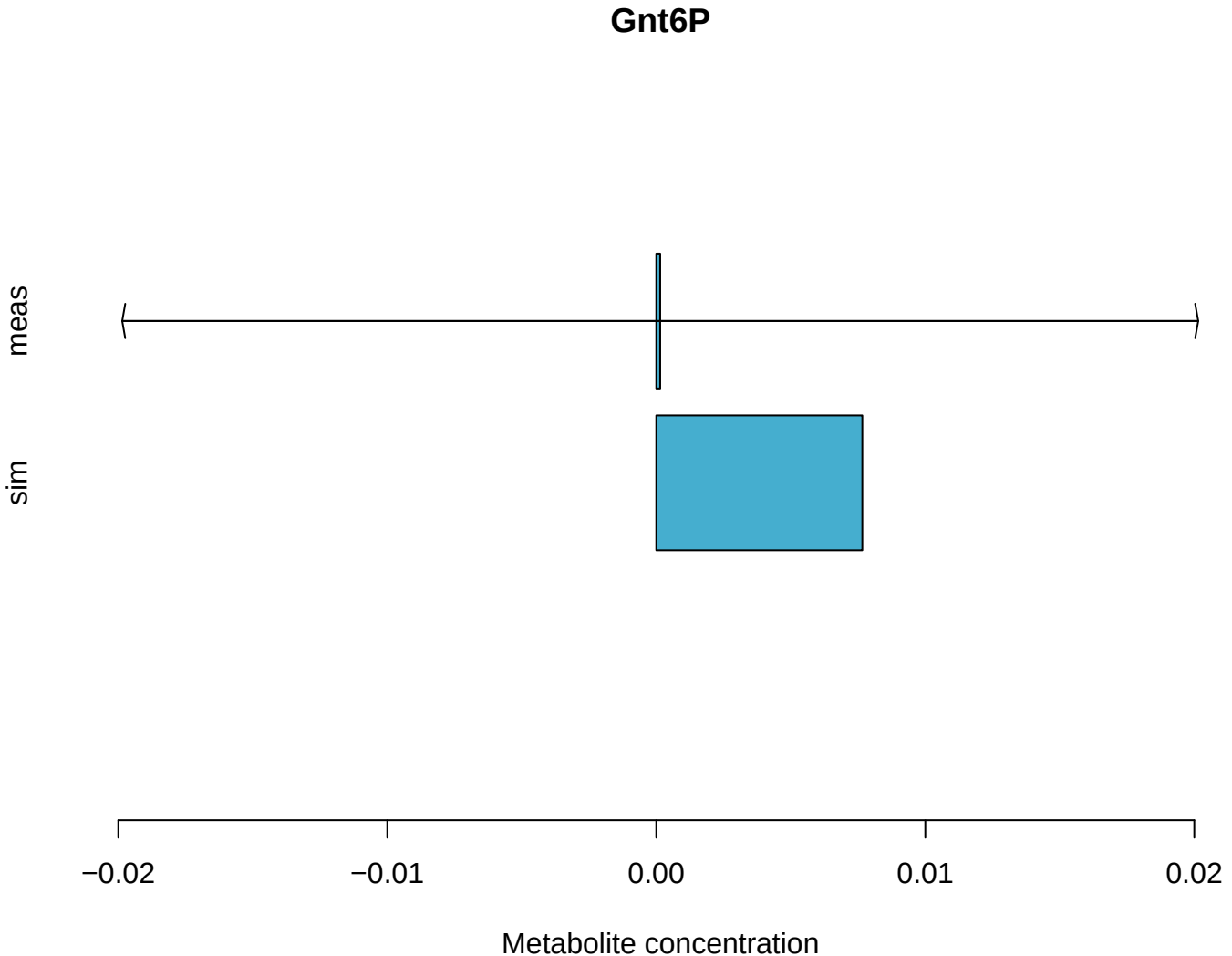
Metabolite pool measurements
(error bars=±2*dev)

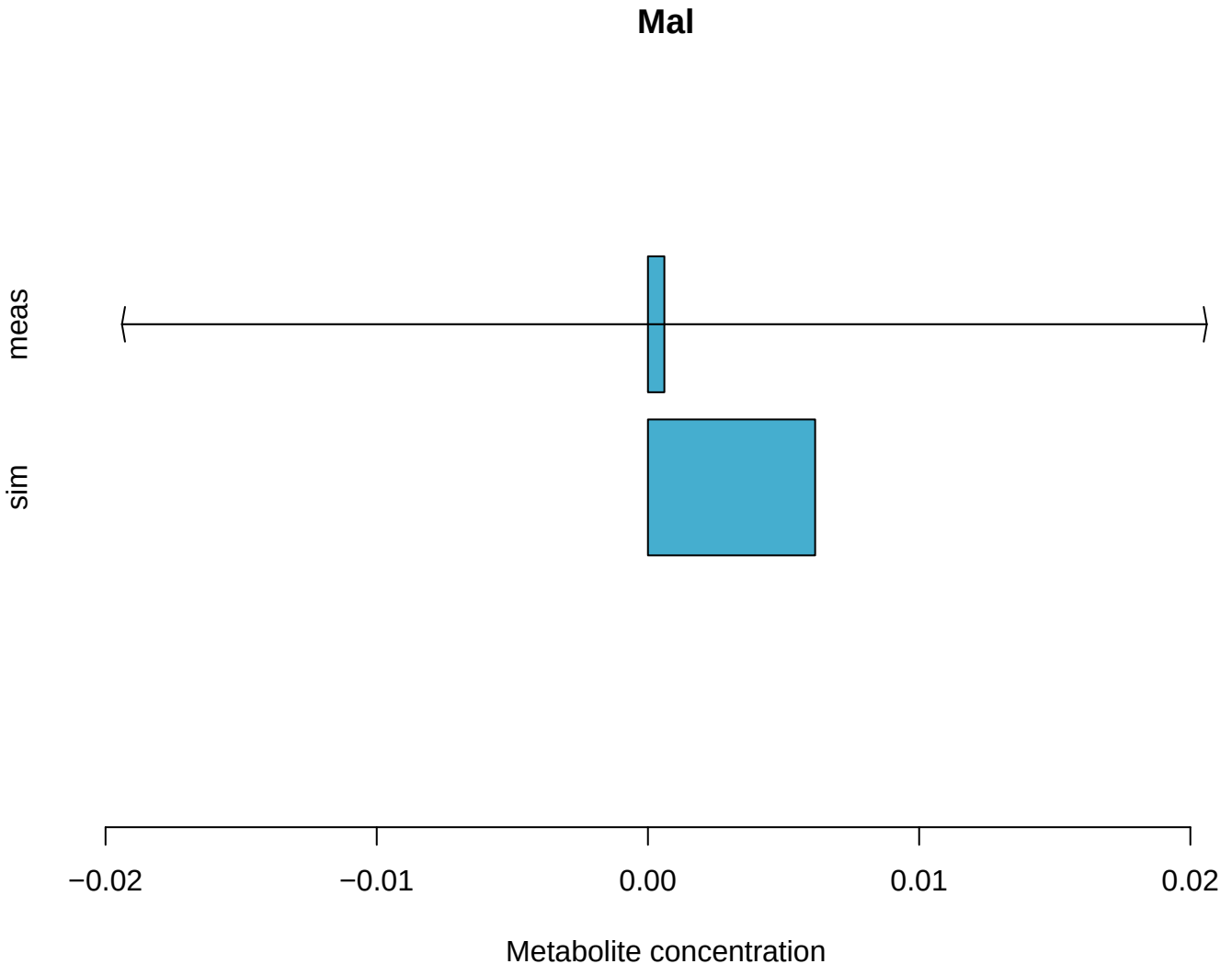

Cit
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration

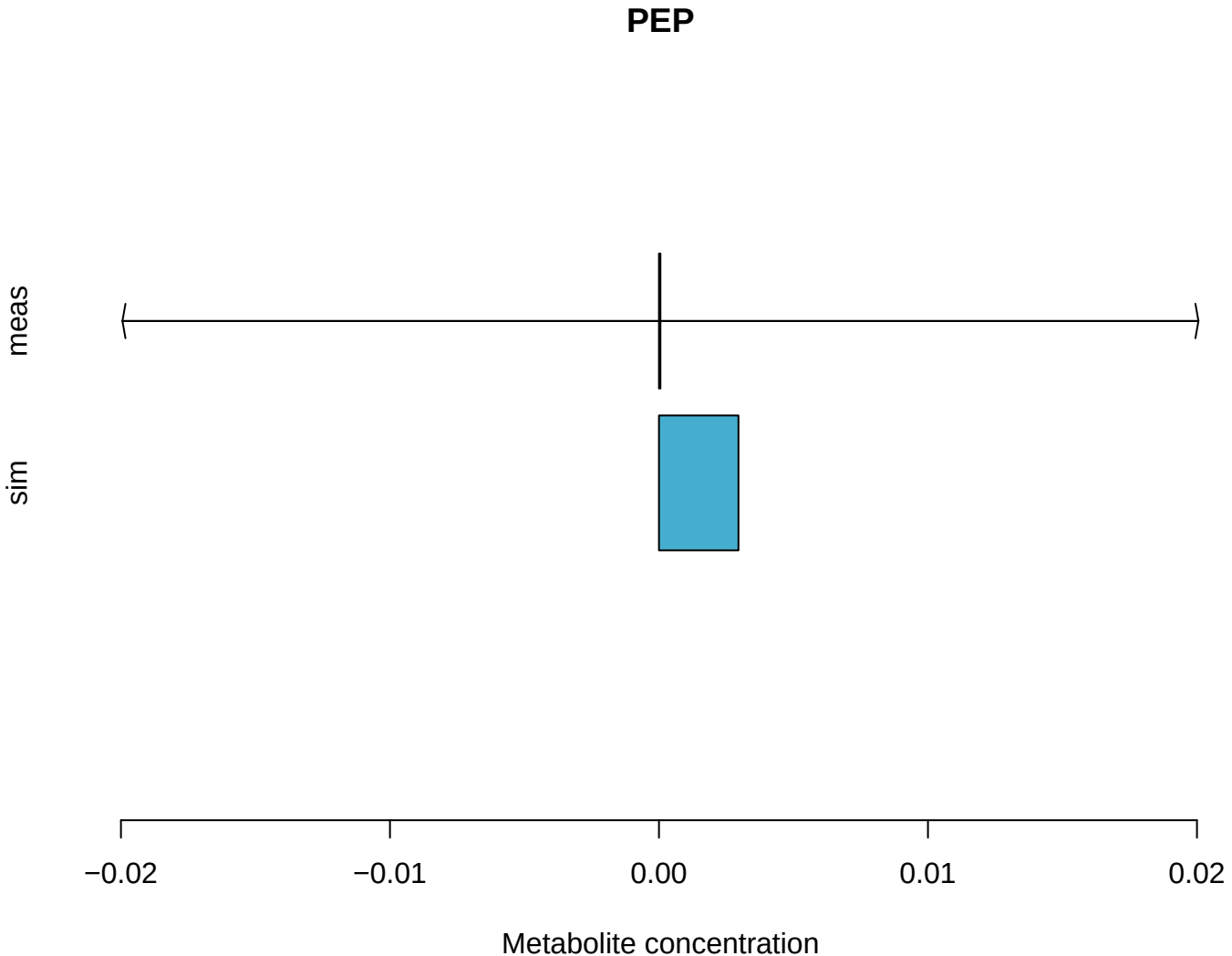

Fru6P
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration

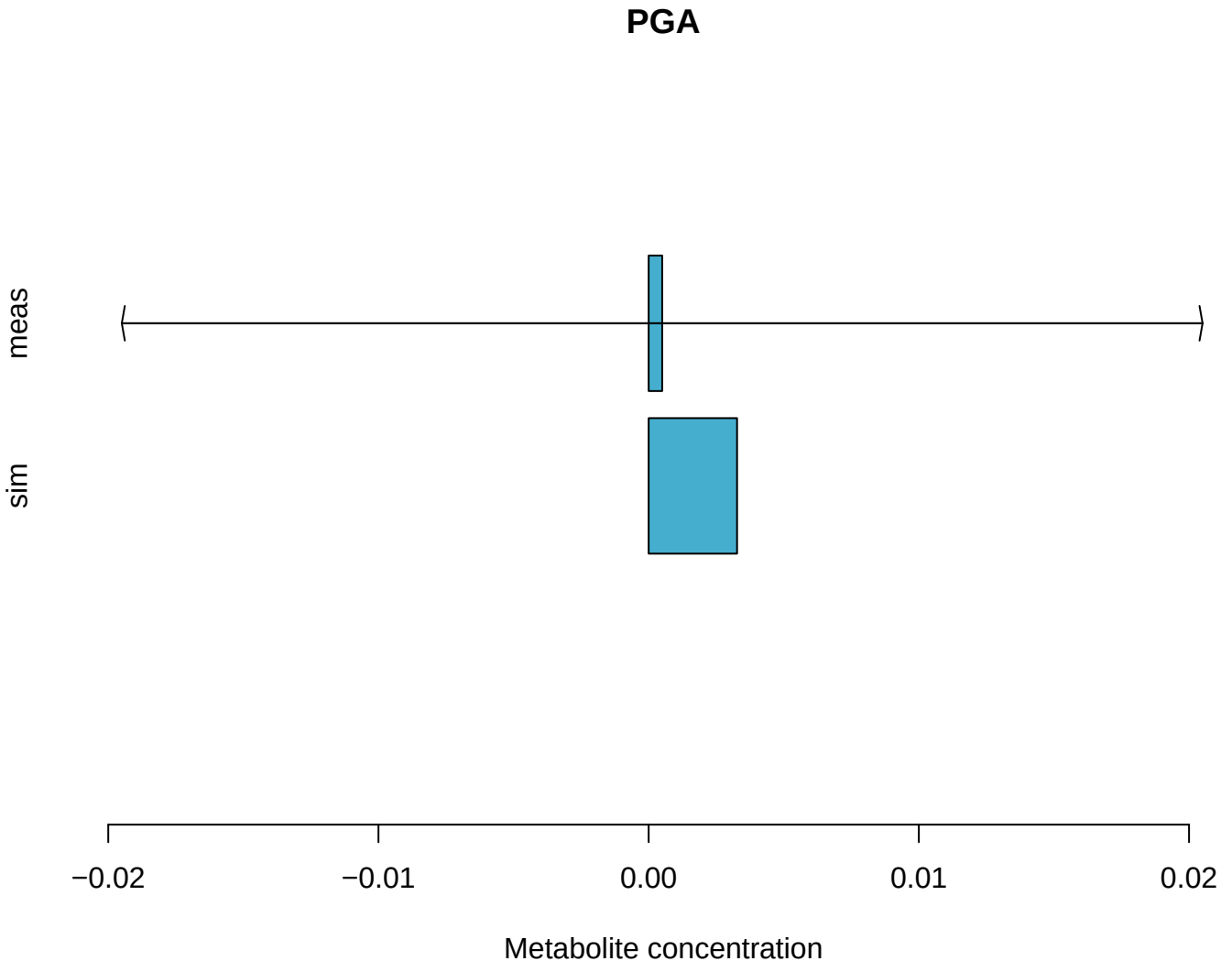

FruBP
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration

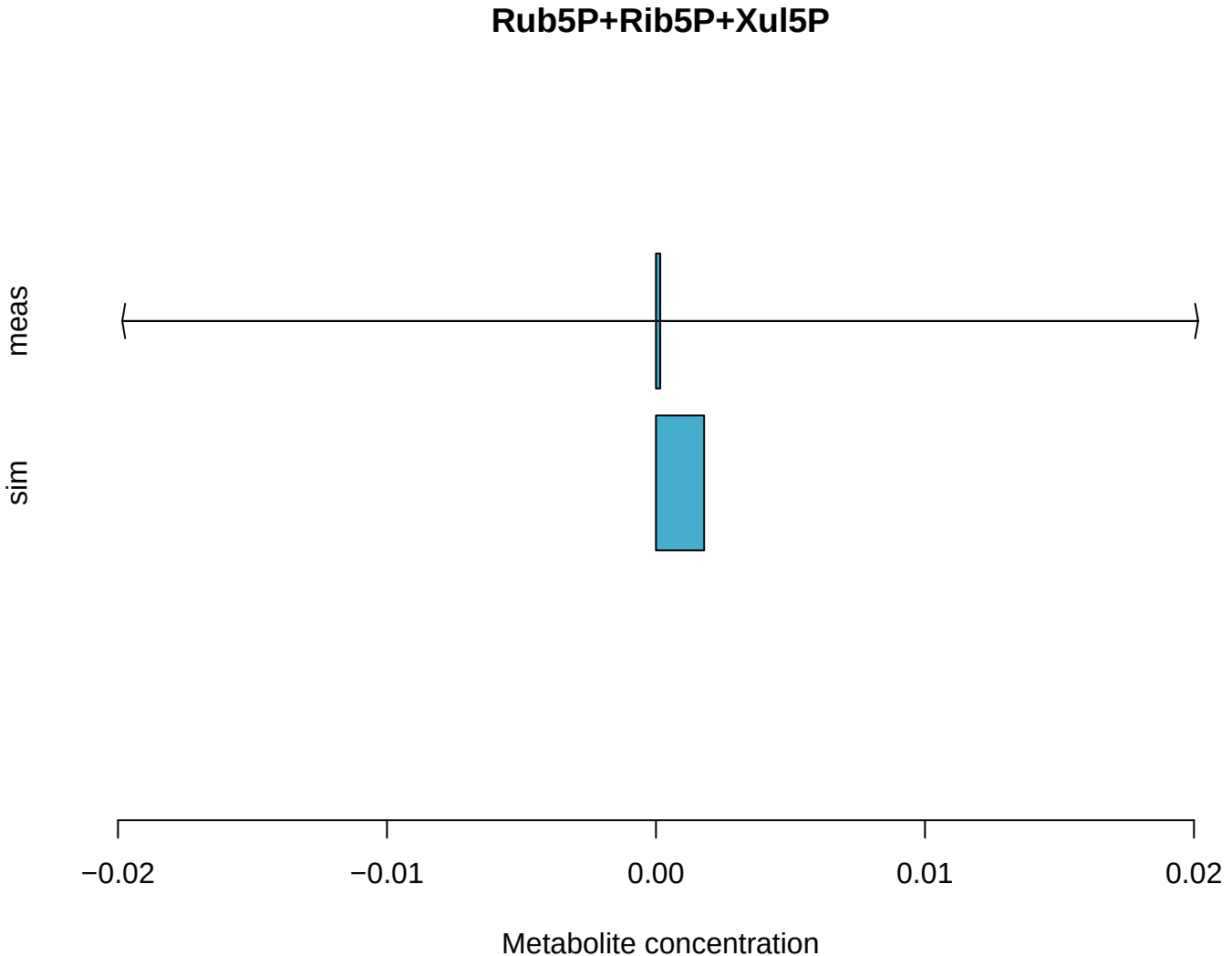

Glc6P
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration

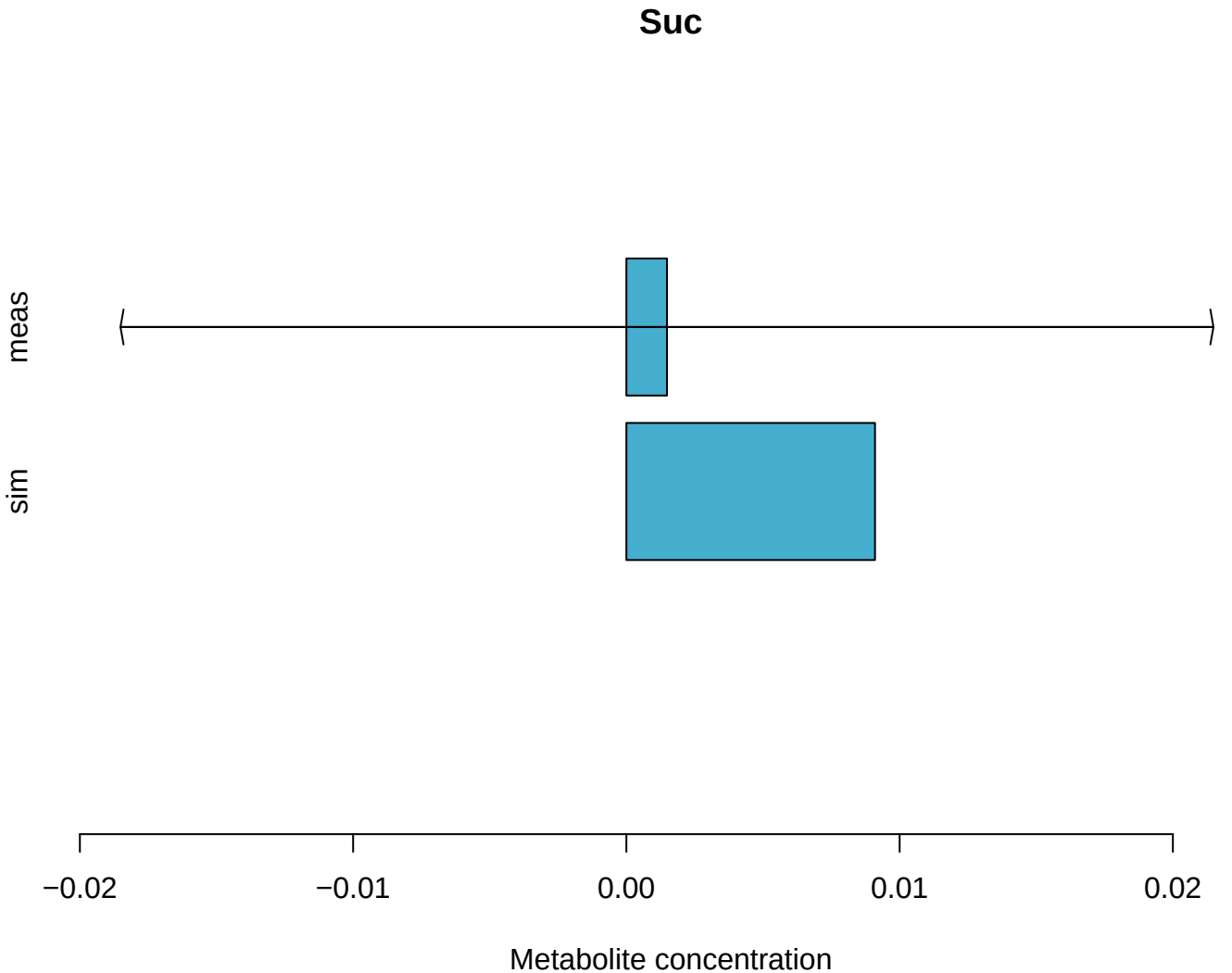

Gnt6P
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration


Mal
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration


PEP
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration


PGA
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration


Rub5P+Rib5P+Xul5P
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration


Suc
meas
sim
−0.02
−0.01
0.00
0.01
0.02
Metabolite concentration