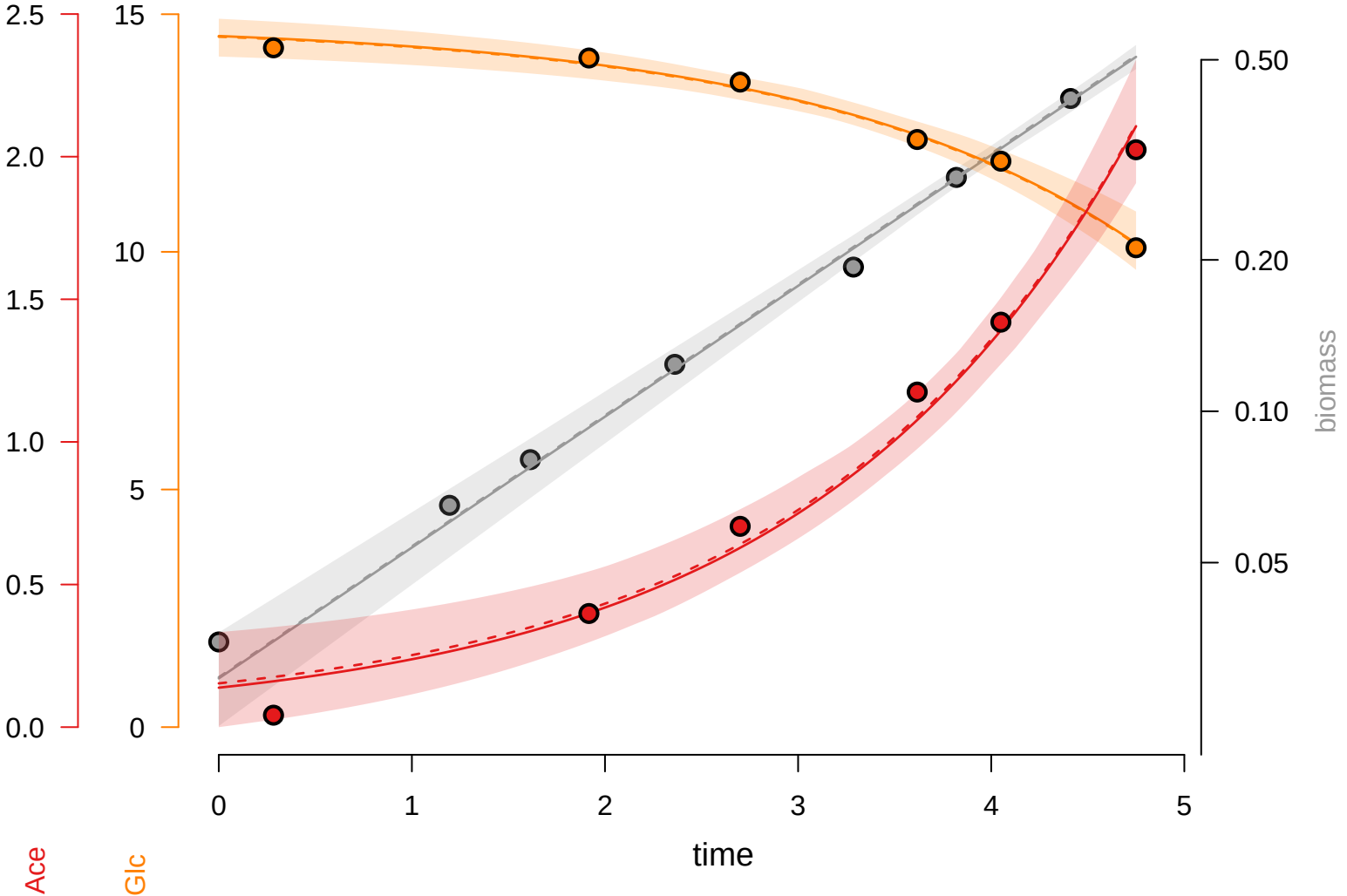
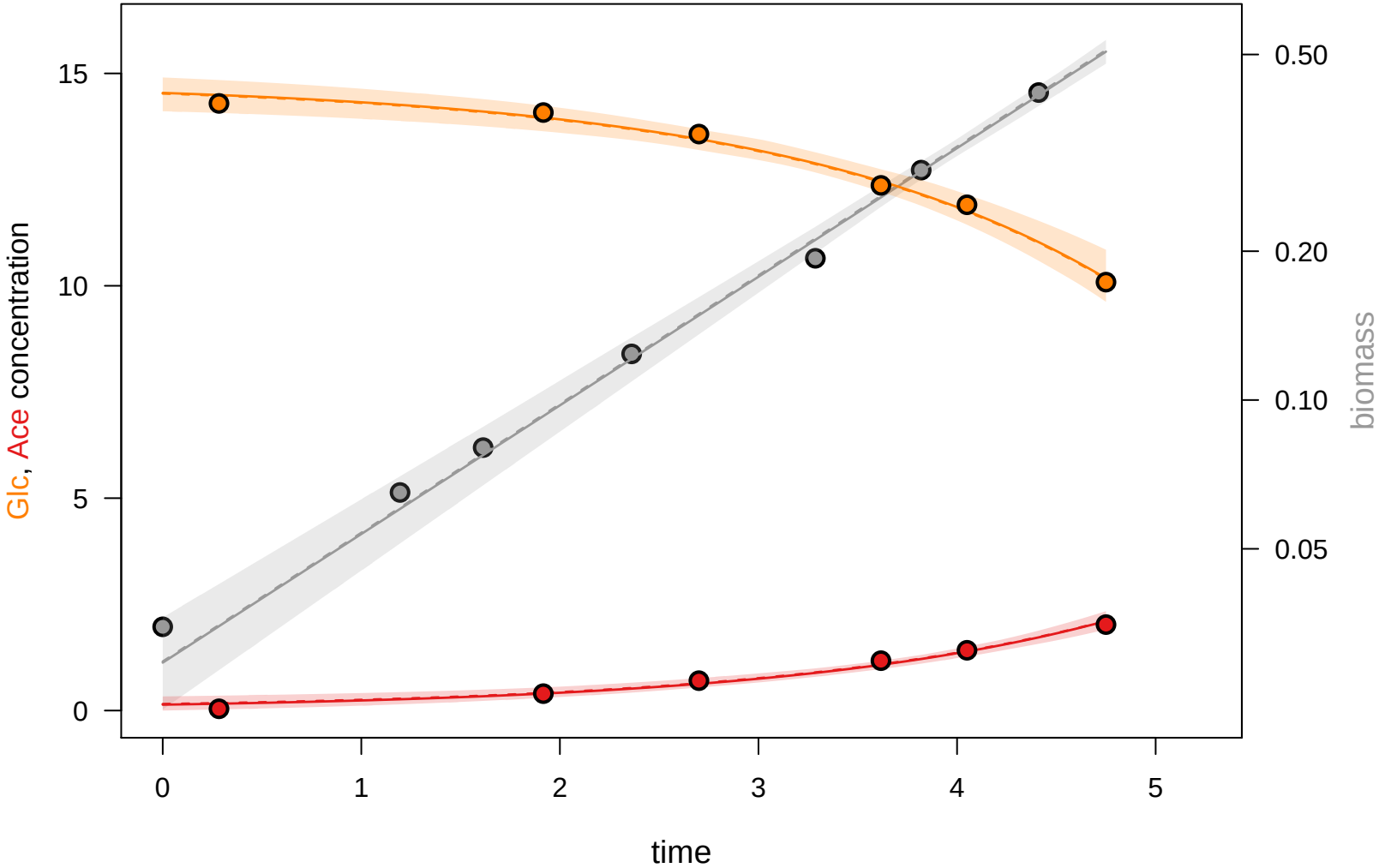
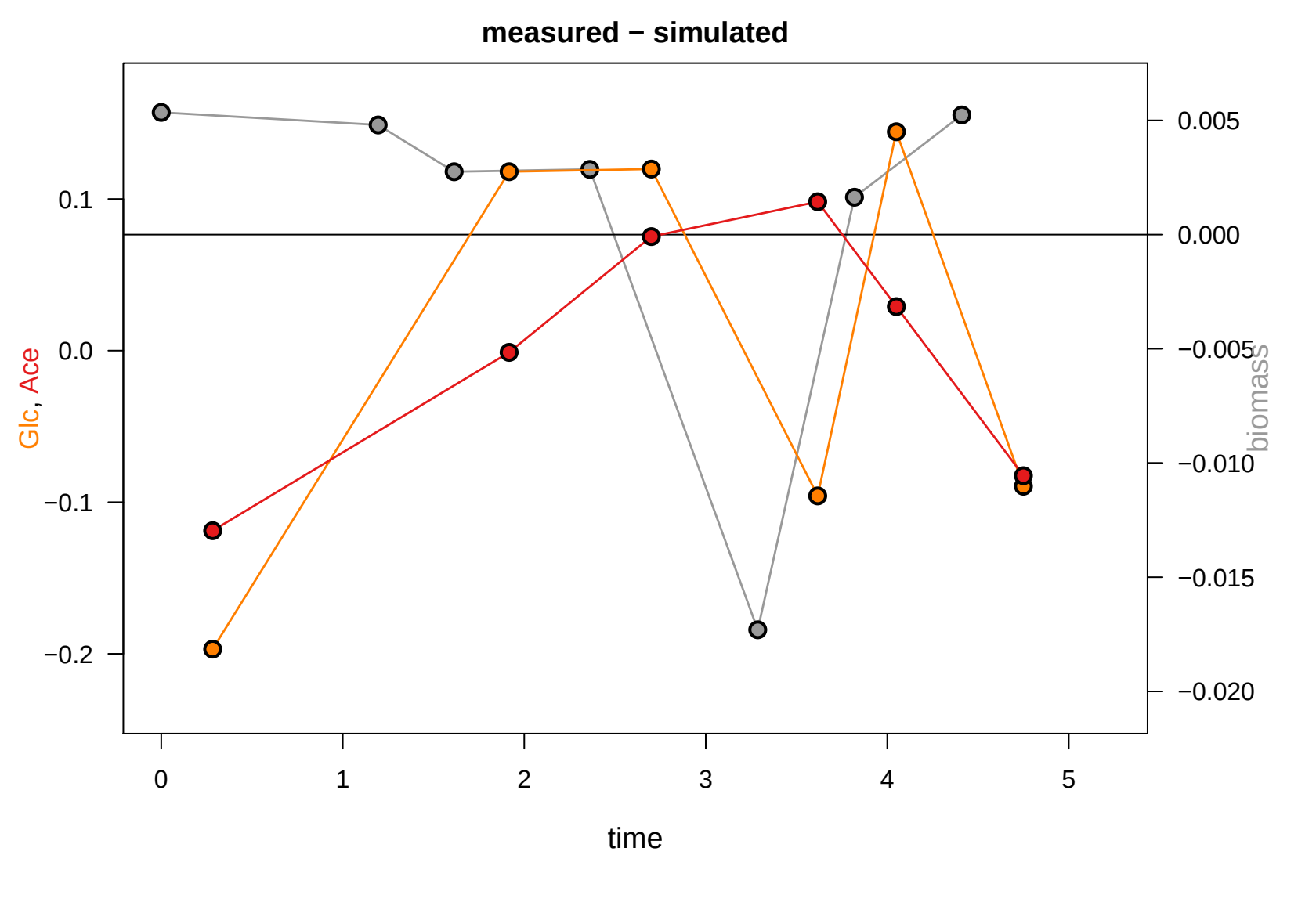

2.5
2.0
1.5
1.0
0.5
0.0
Ace
15
10
5
0
Glc
0.50
0.20
0.10
0.05
biomass
0
1
2
3
4
5
time


Glc, Ace concentration
biomass
time
0
5
10
15
0.05
0.10
0.20
0.50
0
1
2
3
4
5


measured − simulated
Glc, Ace
biomass
time
0.1
0.0
−0.1
−0.2
0.005
0.000
−0.005
−0.010
−0.015
−0.020
0
1
2
3
4
5