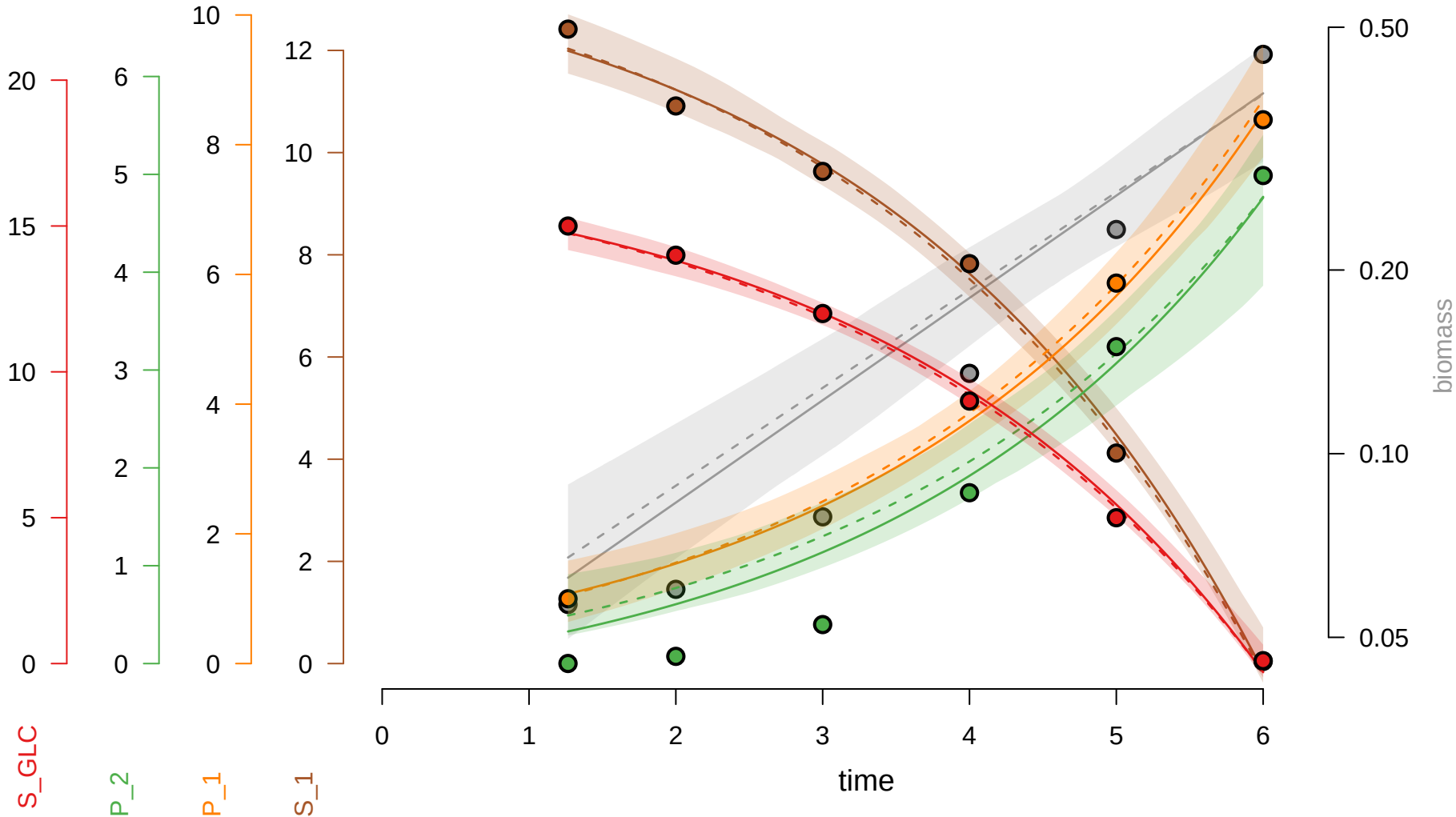
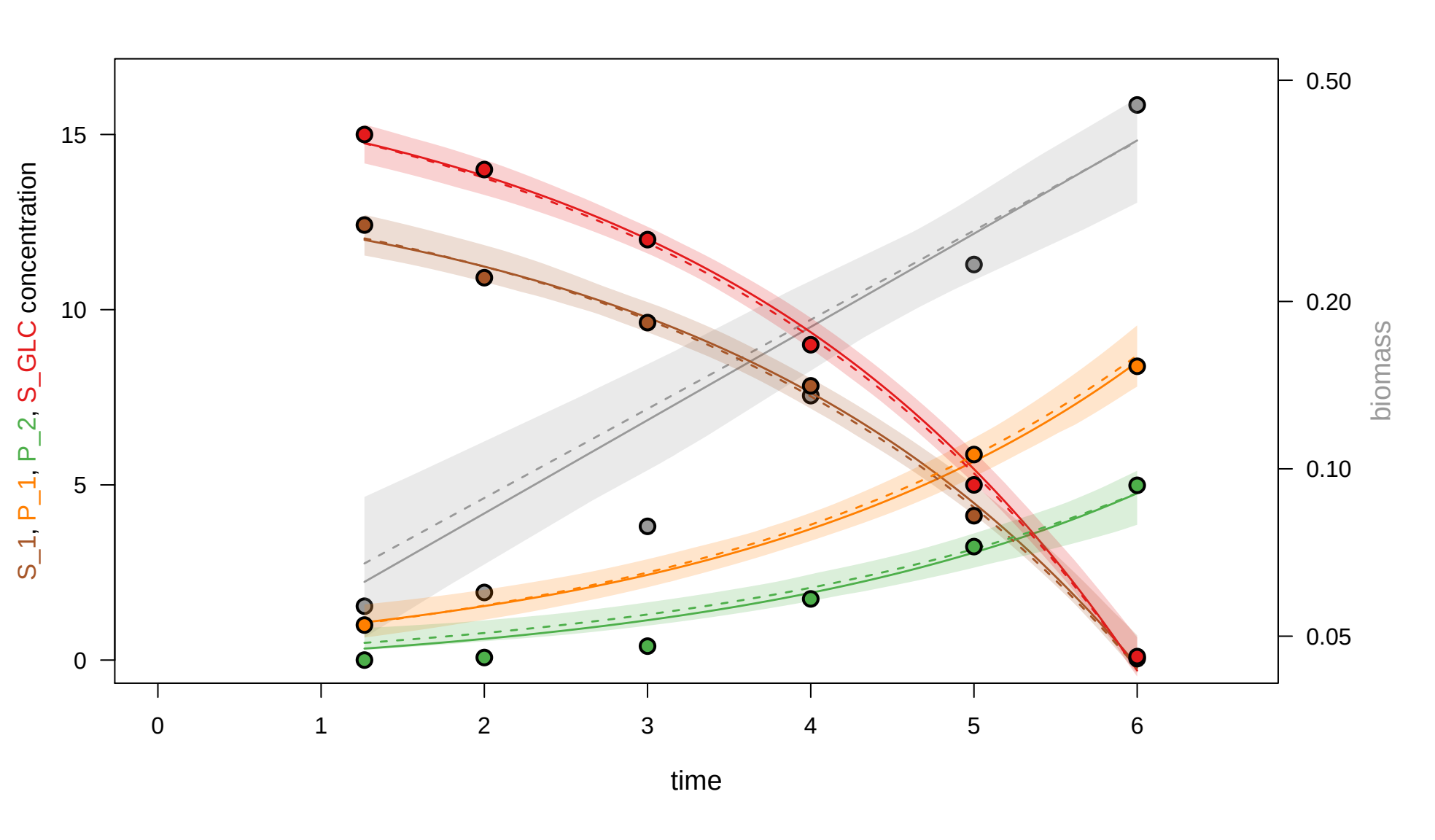
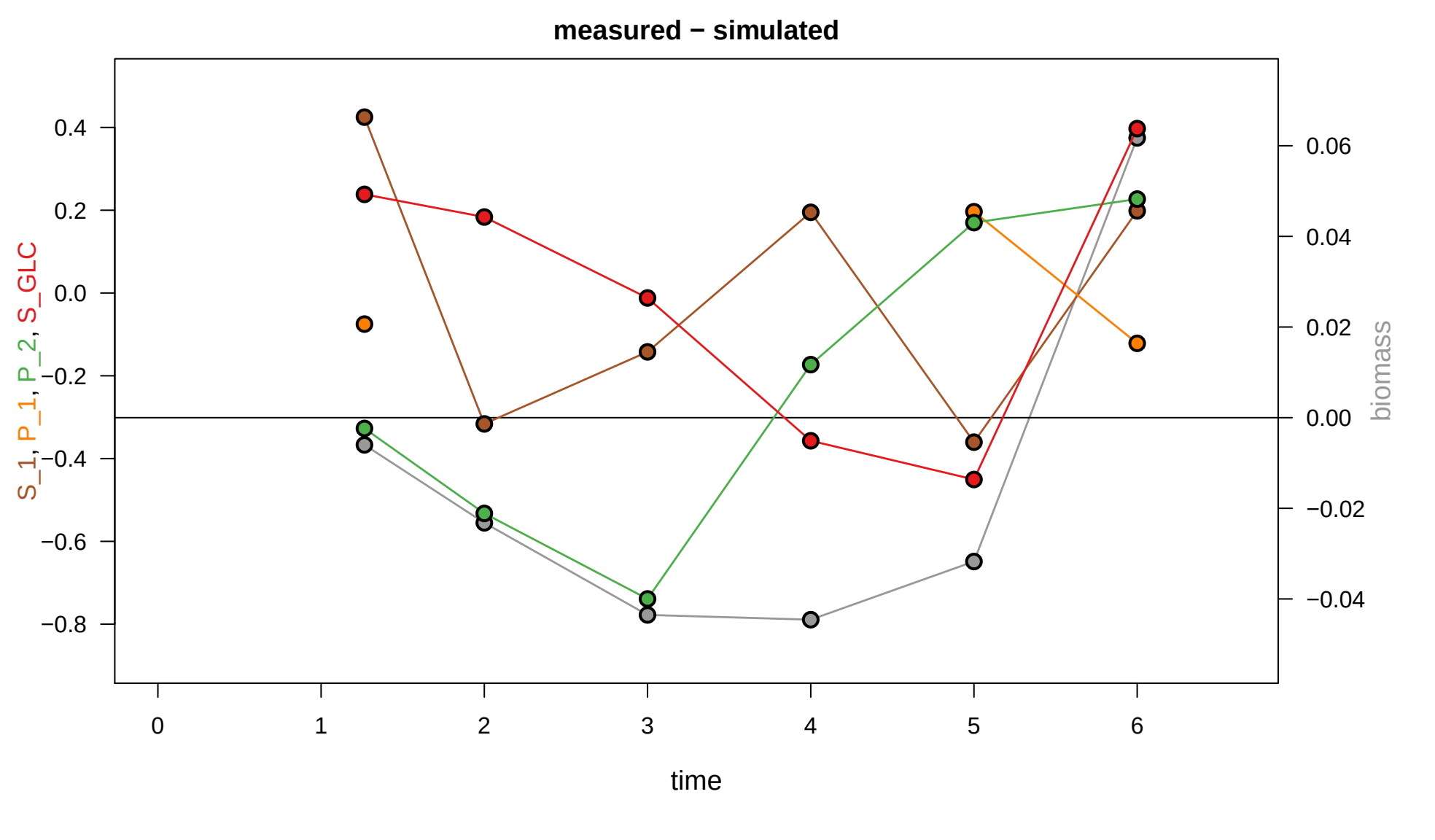

S_GLC
P_2
P_1
S_1
biomass
time
0
1
2
3
4
5
6
0.05
0.10
0.20
0.50


S_1, P_1, P_2, S_GLC concentration
biomass
time
0
5
10
15
0.05
0.10
0.20
0.50
0
1
2
3
4
5
6


measured − simulated
S_1, P_1, P_2, S_GLC
biomass
time
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
0.06
0.04
0.02
0.00
−0.02
−0.04
0
1
2
3
4
5
6