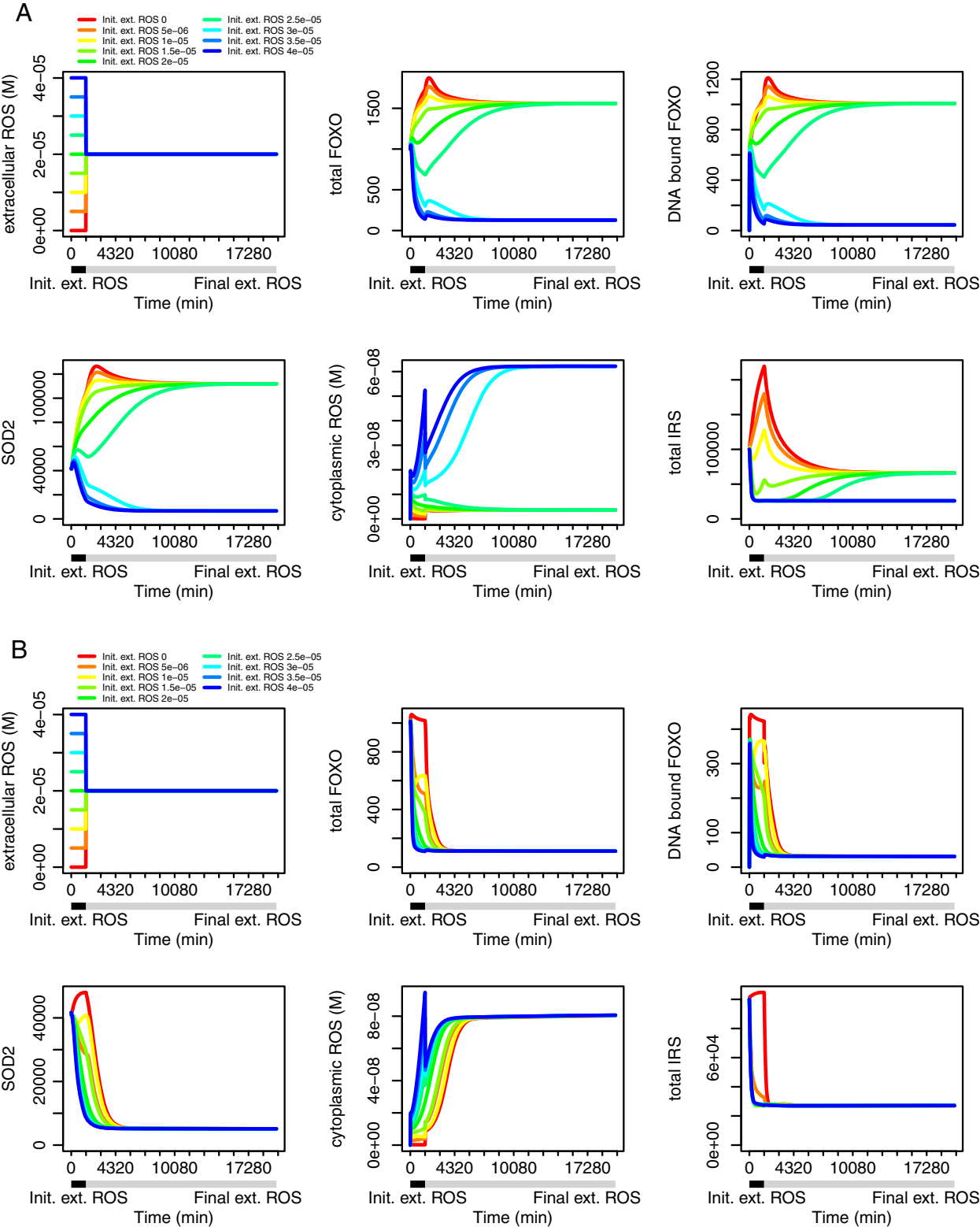
A
Init. ext. ROS 0
Init. ext. ROS 5e−06
Init. ext. ROS 1e−05
Init. ext. ROS 1.5e−05
Init. ext. ROS 2e−05
Init. ext. ROS 2.5e−05
Init. ext. ROS 3e−05
Init. ext. ROS 3.5e−05
Init. ext. ROS 4e−05
extracellular ROS (M)
0e+00
2e−05
4e−05
total FOXO
0
500
1500
DNA bound FOXO
0
400
800
1200
SOD2
0
40000
100000
cytoplasmic ROS (M)
0e+00
3e−08
6e−08
total IRS
0
100000
0
4320
10080
17280
Init. ext. ROS
Final ext. ROS
Time (min)
B
Init. ext. ROS 0
Init. ext. ROS 5e−06
Init. ext. ROS 1e−05
Init. ext. ROS 1.5e−05
Init. ext. ROS 2e−05
Init. ext. ROS 2.5e−05
Init. ext. ROS 3e−05
Init. ext. ROS 3.5e−05
Init. ext. ROS 4e−05
extracellular ROS (M)
0e+00
2e−05
4e−05
total FOXO
0
400
800
DNA bound FOXO
0
100
300
SOD2
0
20000
40000
cytoplasmic ROS (M)
0e+00
4e−08
8e−08
total IRS
0e+00
6e+04
0
4320
10080
17280
Init. ext. ROS
Final ext. ROS
Time (min)