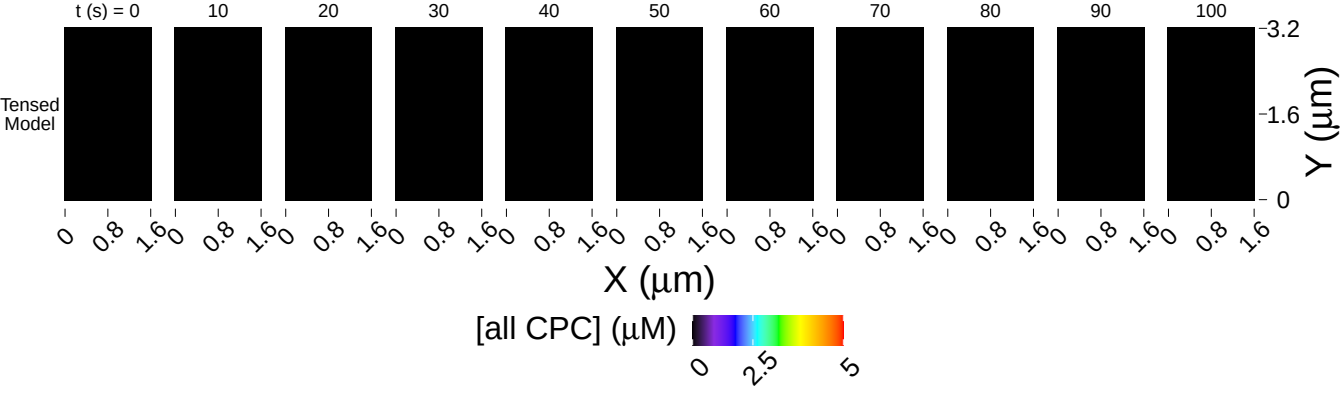
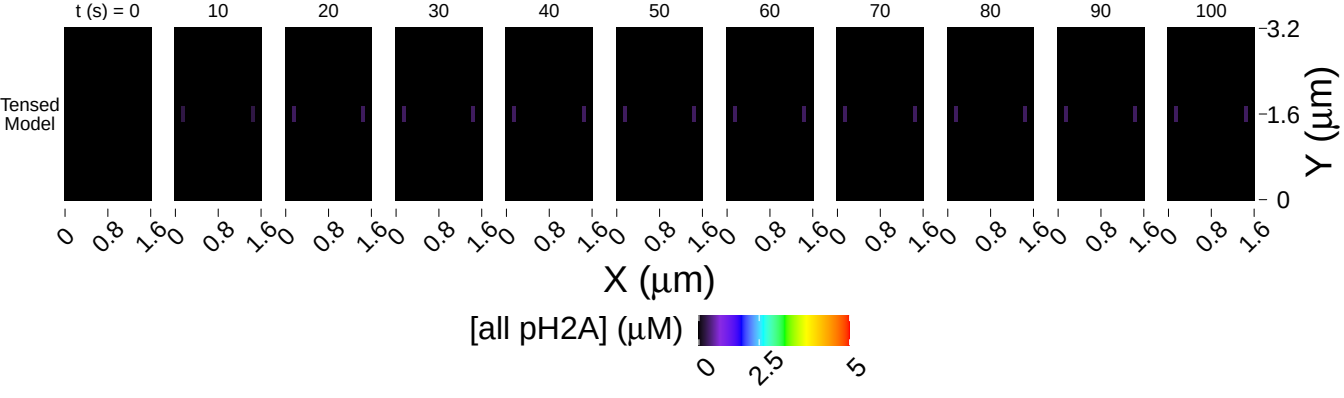
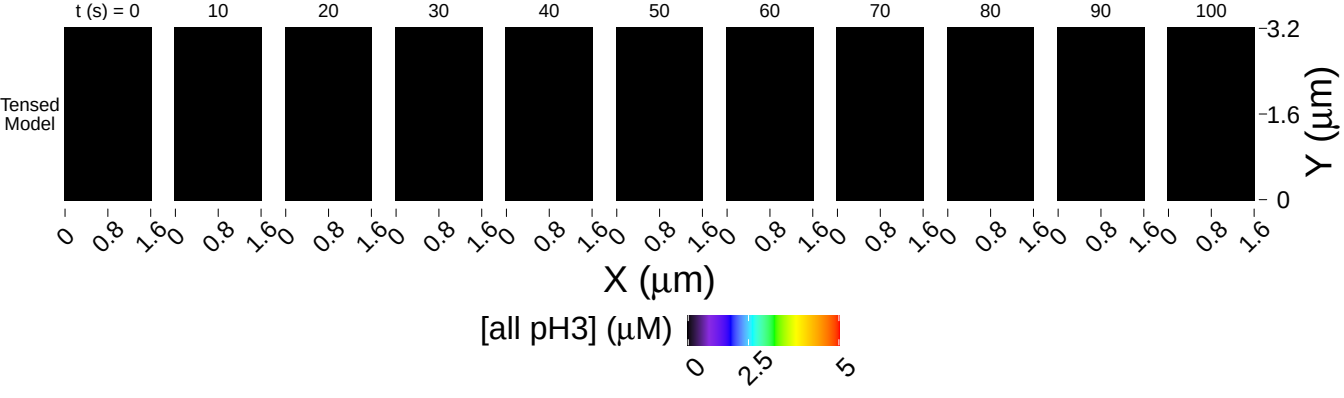
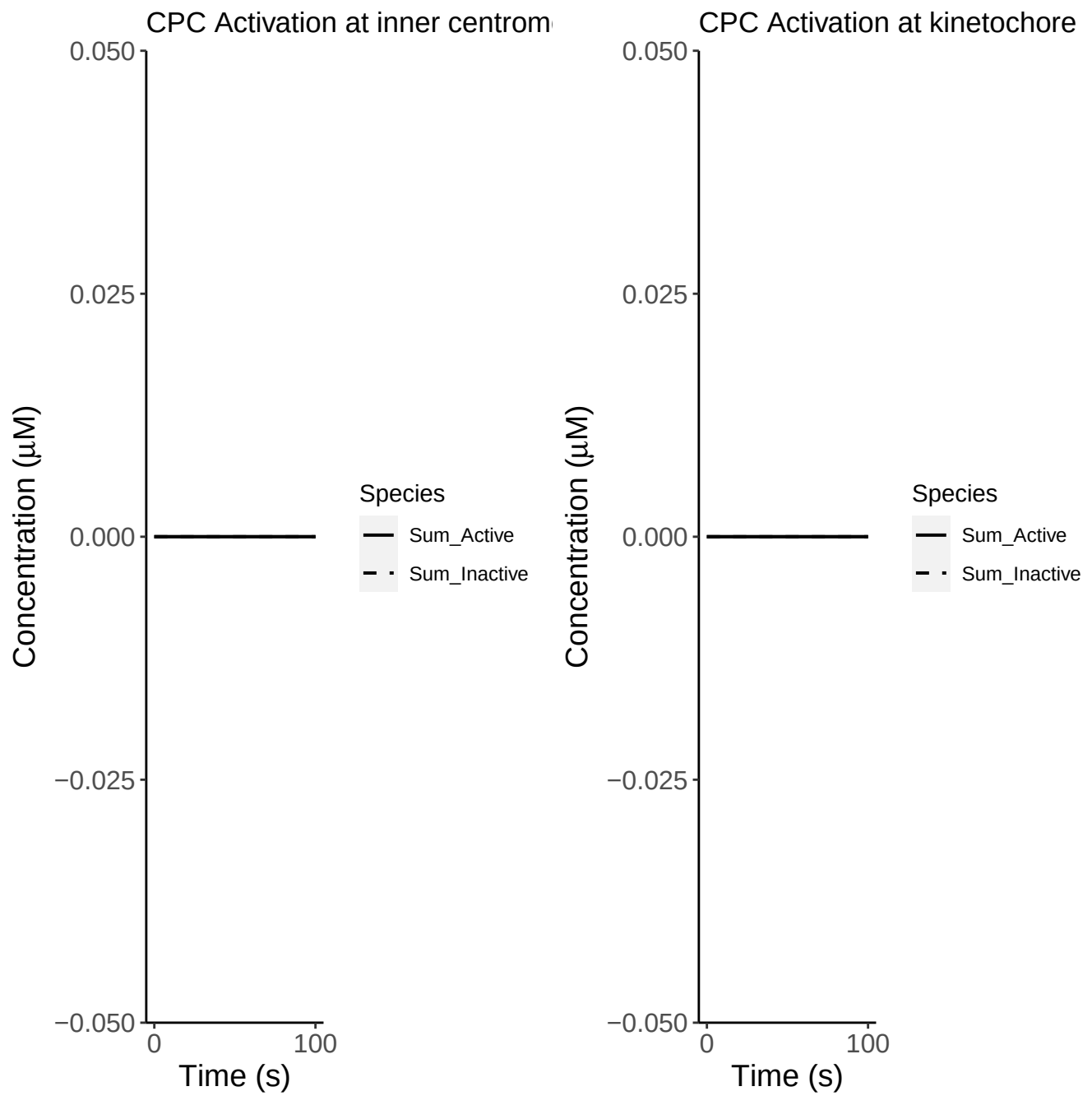
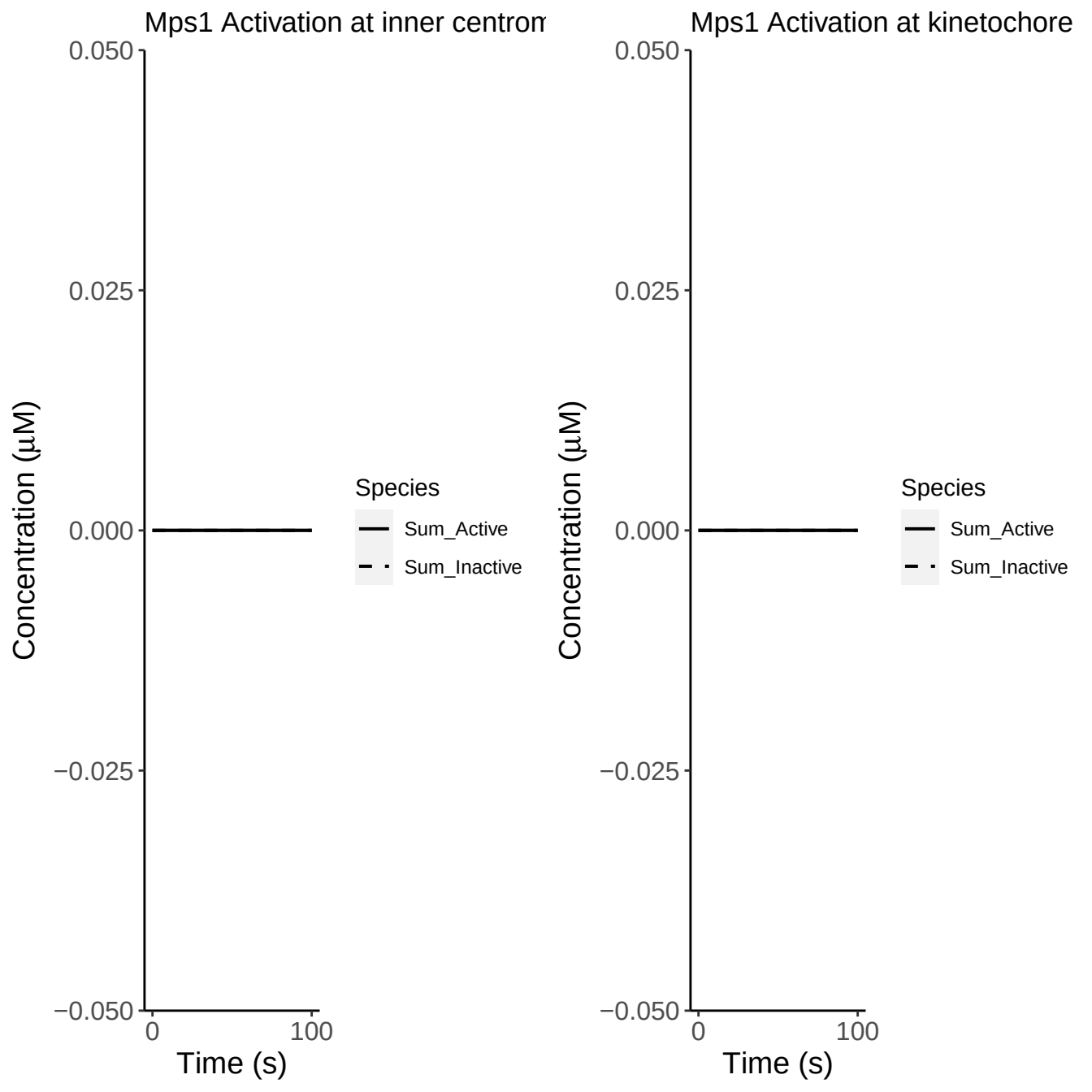
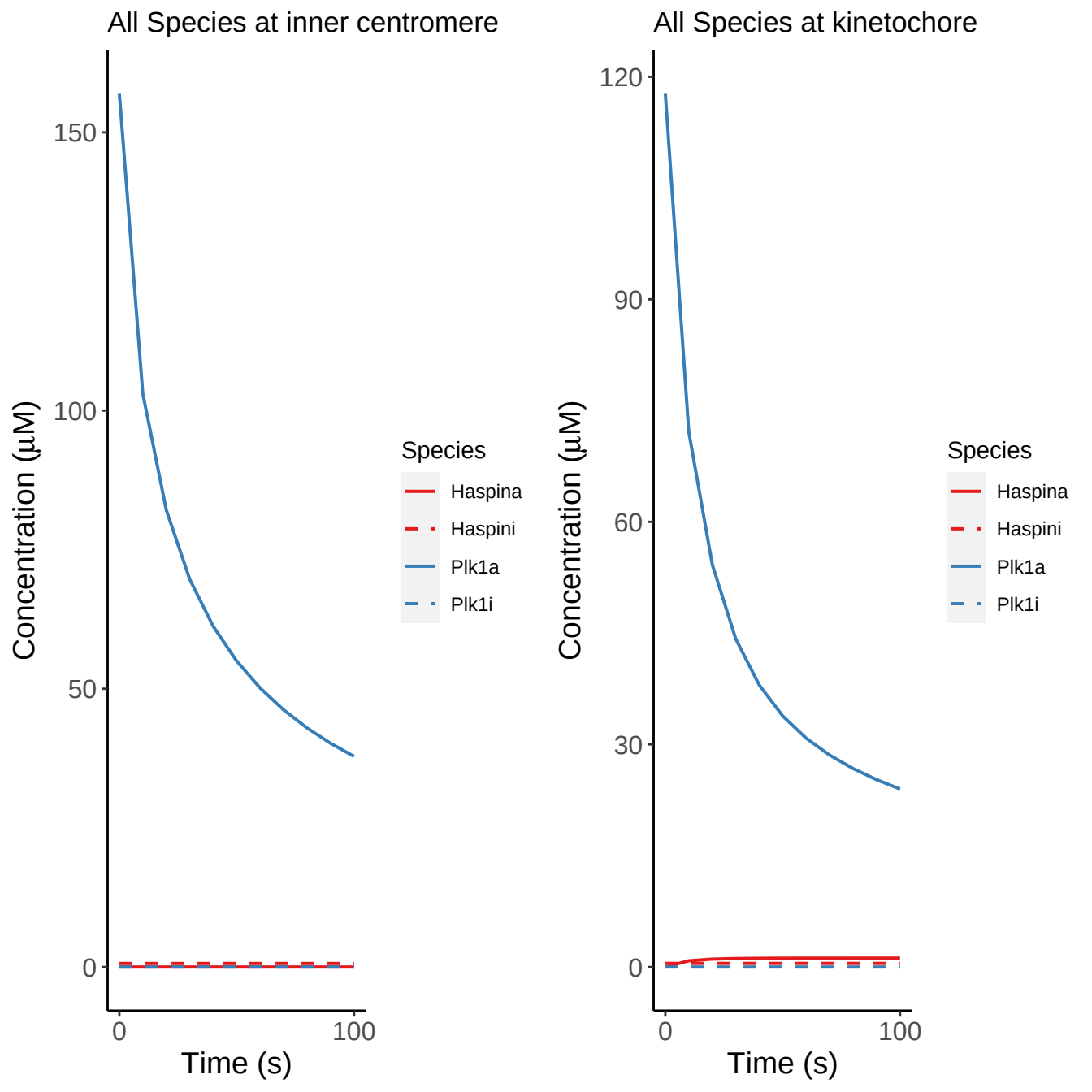

t (s) = 0
10
20
30
40
50
60
70
80
90
100
Tensed Model
3.2
1.6
0
Y (μm)
0
0.8
1.6
X (μm)
[all CPC] (μM)
0
2.5
5

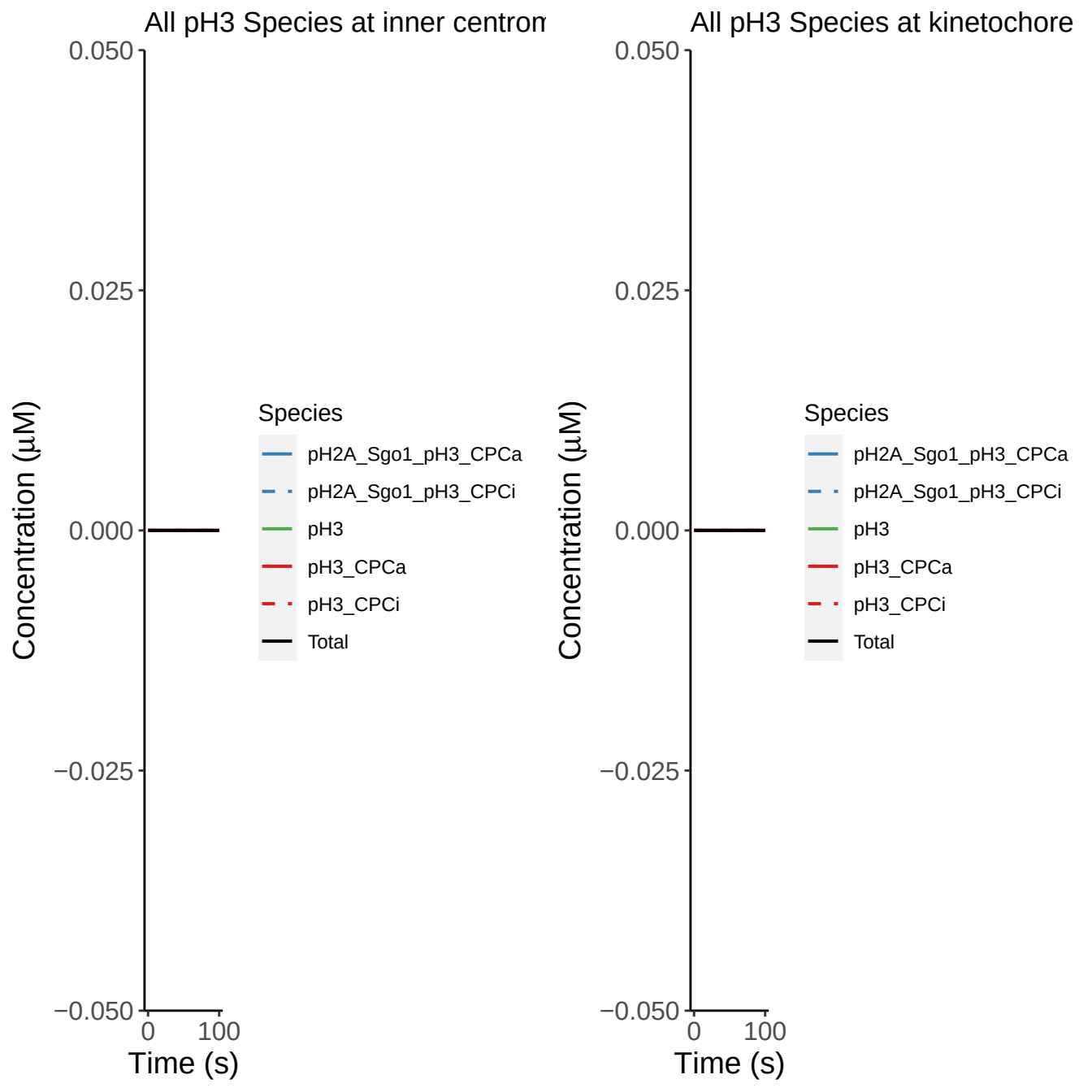

t (s) = 0
10
20
30
40
50
60
70
80
90
100
Tensed Model
3.2
1.6
0
Y (μm)
0
0.8
1.6
X (μm)
[all pH2A] (μM)
0
2.5
5

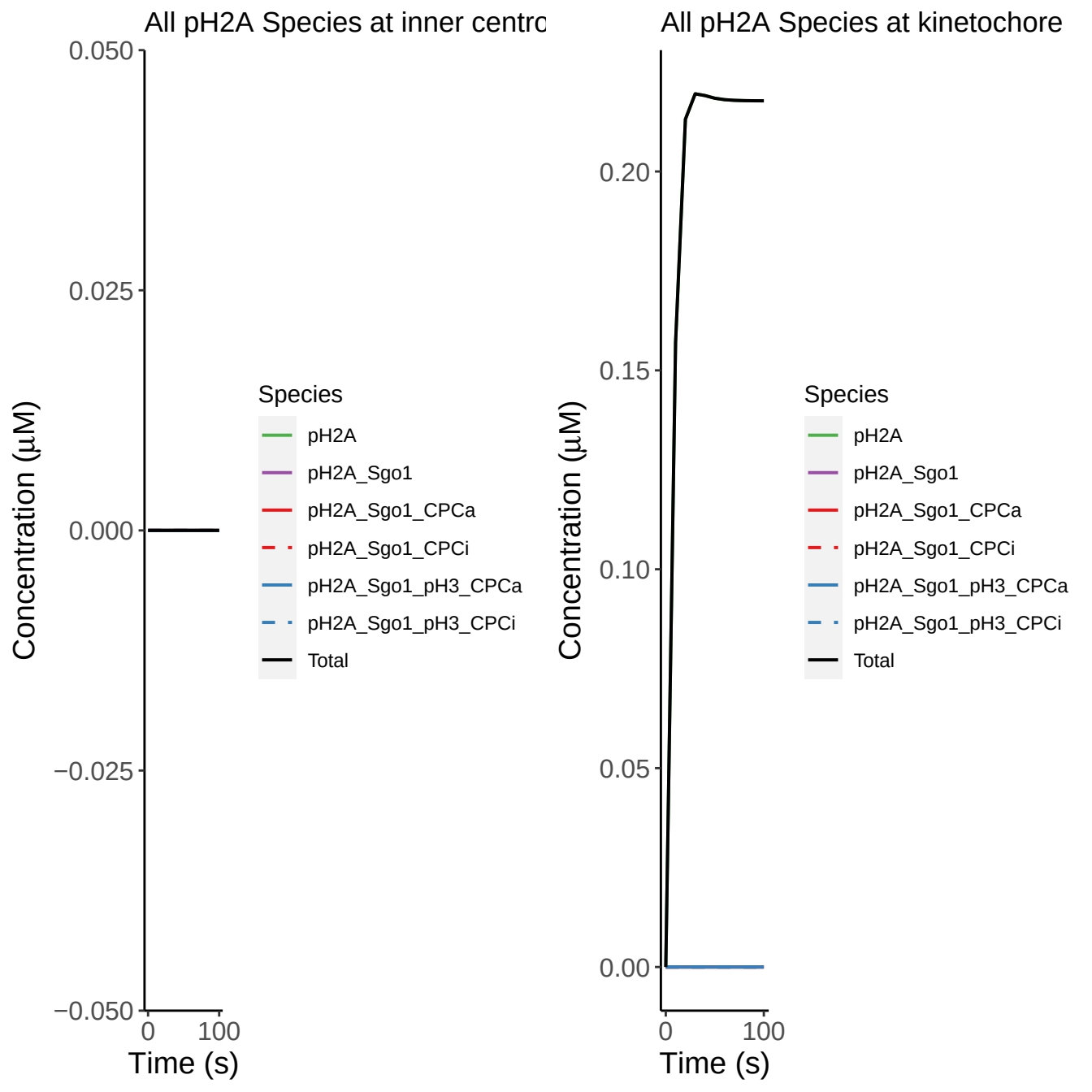

t (s) = 0
10
20
30
40
50
60
70
80
90
100
Tensed Model
3.2
1.6
0
Y (μm)
0
0.8
1.6
X (μm)
[all pH3] (μM)
0
2.5
5

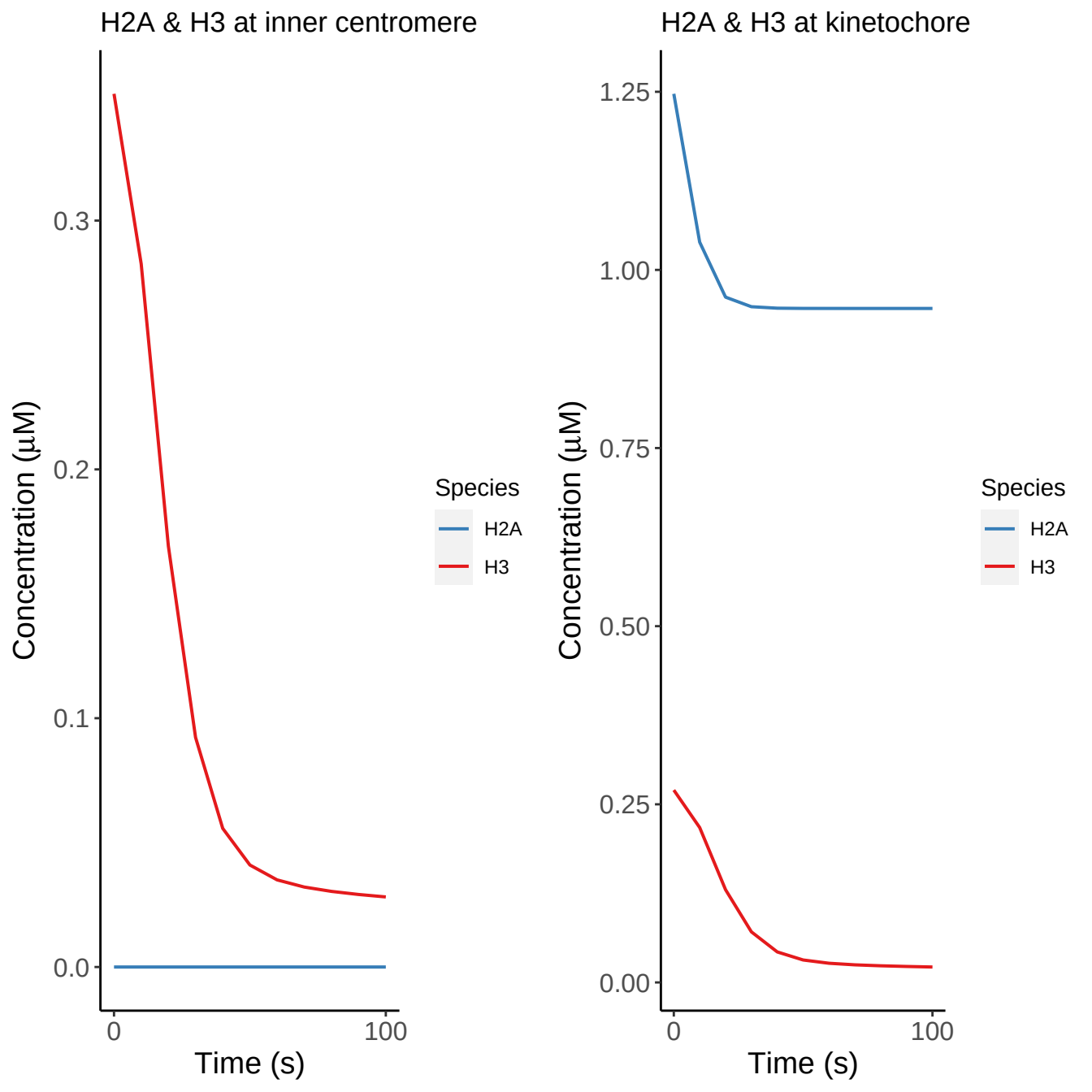

CPC Activation at inner centrom
CPC Activation at kinetochore
0.050
0.025
0.000
−0.025
−0.050
Concentration (μM)
0
100
Time (s)
Species
Sum_Active
Sum_Inactive

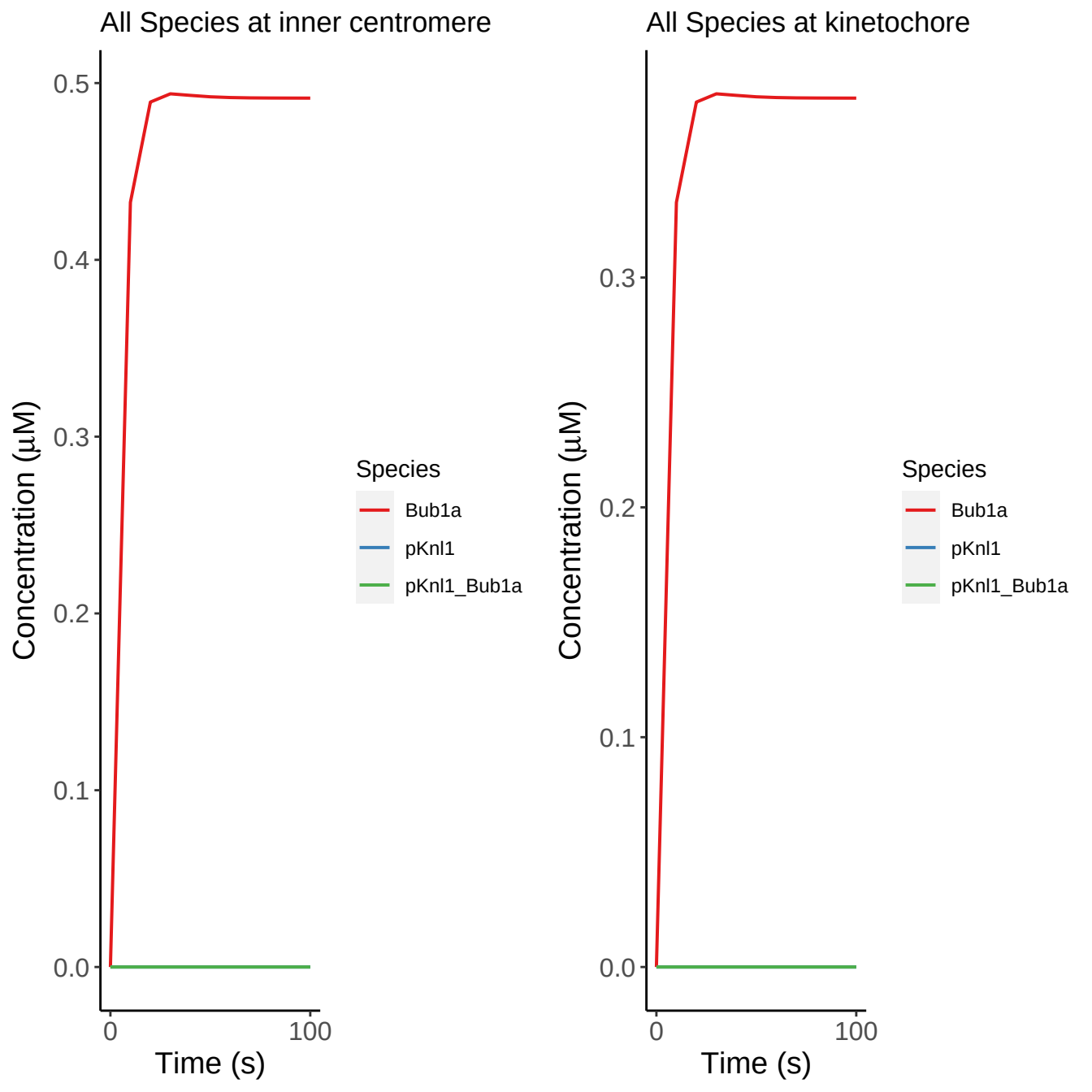

Mps1 Activation at inner centron
Mps1 Activation at kinetochore
0.050
0.025
0.000
−0.025
−0.050
Concentration (μM)
0
100
Time (s)
Species
Sum_Active
Sum_Inactive


All Species at inner centromere
150
100
50
0
Concentration (μM)
0
100
Time (s)
Species
Haspina
Haspini
Plk1a
Plk1i
All Species at kinetochore
120
90
60
30
0
Concentration (μM)
0
100
Time (s)
Species
Haspina
Haspini
Plk1a
Plk1i


All pH3 Species at inner centron
All pH3 Species at kinetochore
0.050
0.025
0.000
−0.025
−0.050
Concentration (μM)
0
100
Time (s)
Species
pH2A_Sgo1_pH3_CPCa
pH2A_Sgo1_pH3_CPCi
pH3
pH3_CPCa
pH3_CPCi
Total


All pH2A Species at inner centro
All pH2A Species at kinetochore
Concentration (μM)
Time (s)
0.050
0.025
0.000
−0.025
−0.050
0
100
0.20
0.15
0.10
0.05
0.00
Species
pH2A
pH2A_Sgo1
pH2A_Sgo1_CPCa
pH2A_Sgo1_CPCi
pH2A_Sgo1_pH3_CPCa
pH2A_Sgo1_pH3_CPCi
Total


H2A & H3 at inner centromere
H2A & H3 at kinetochore
Concentration (μM)
Time (s)
0.0
0.1
0.2
0.3
0.00
0.25
0.50
0.75
1.00
1.25
0
100
Species
H2A
H3


All Species at inner centromere
Concentration (μM)
0.5
0.4
0.3
0.2
0.1
0.0
0
100
Time (s)
Species
Bub1a
pKnl1
pKnl1_Bub1a
All Species at kinetochore
Concentration (μM)
0.3
0.2
0.1
0.0
0
100
Time (s)
Species
Bub1a
pKnl1
pKnl1_Bub1a