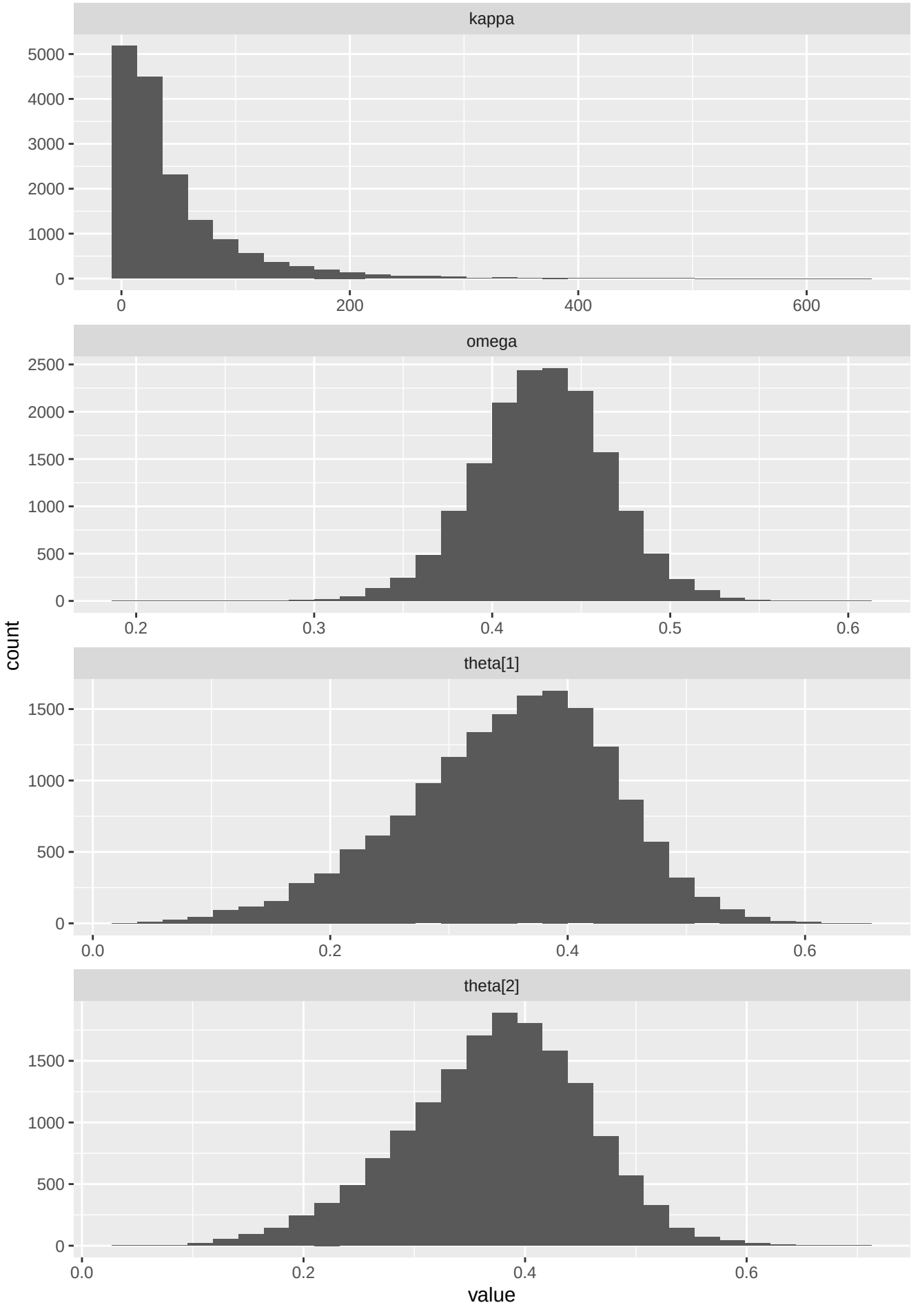
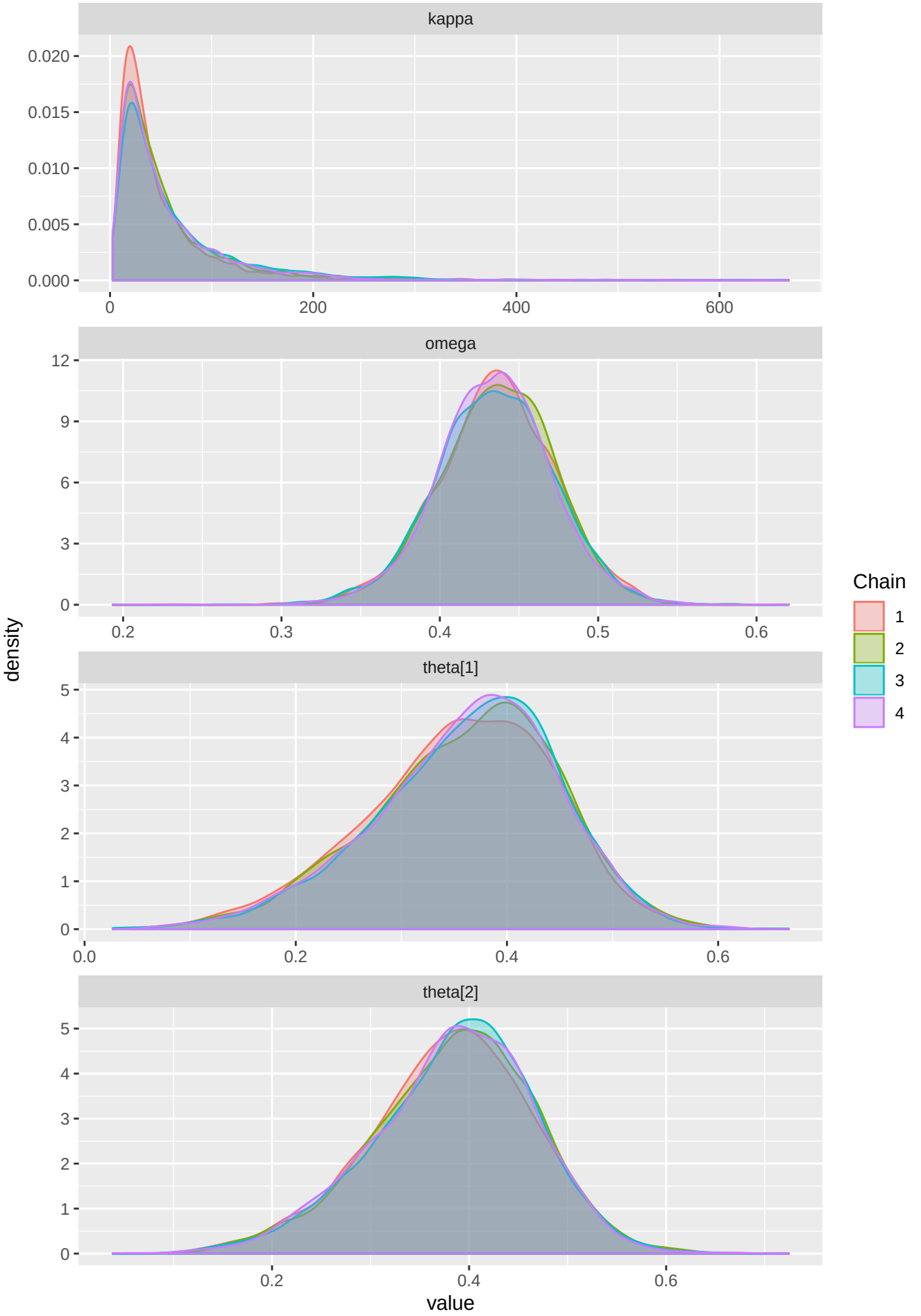
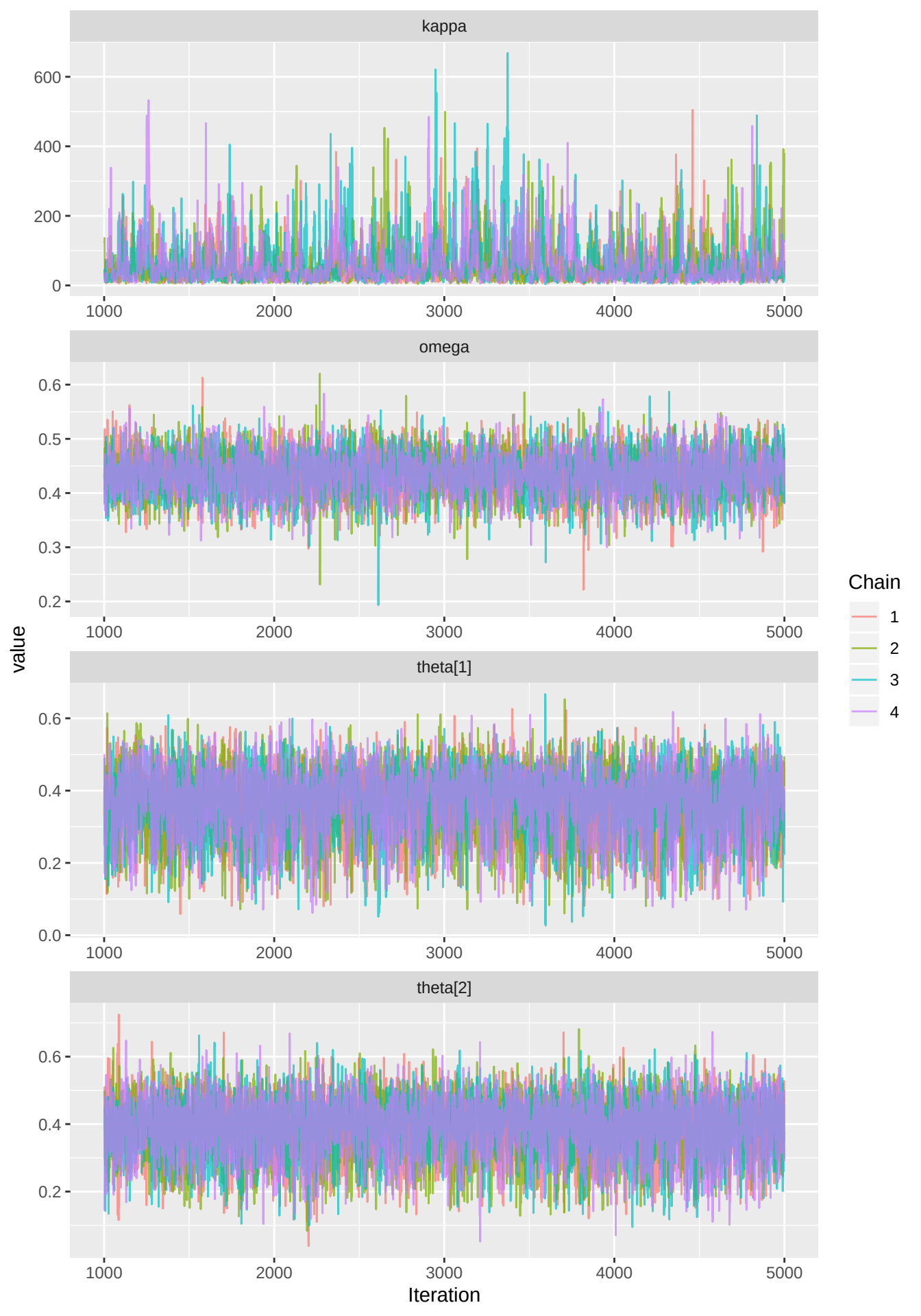
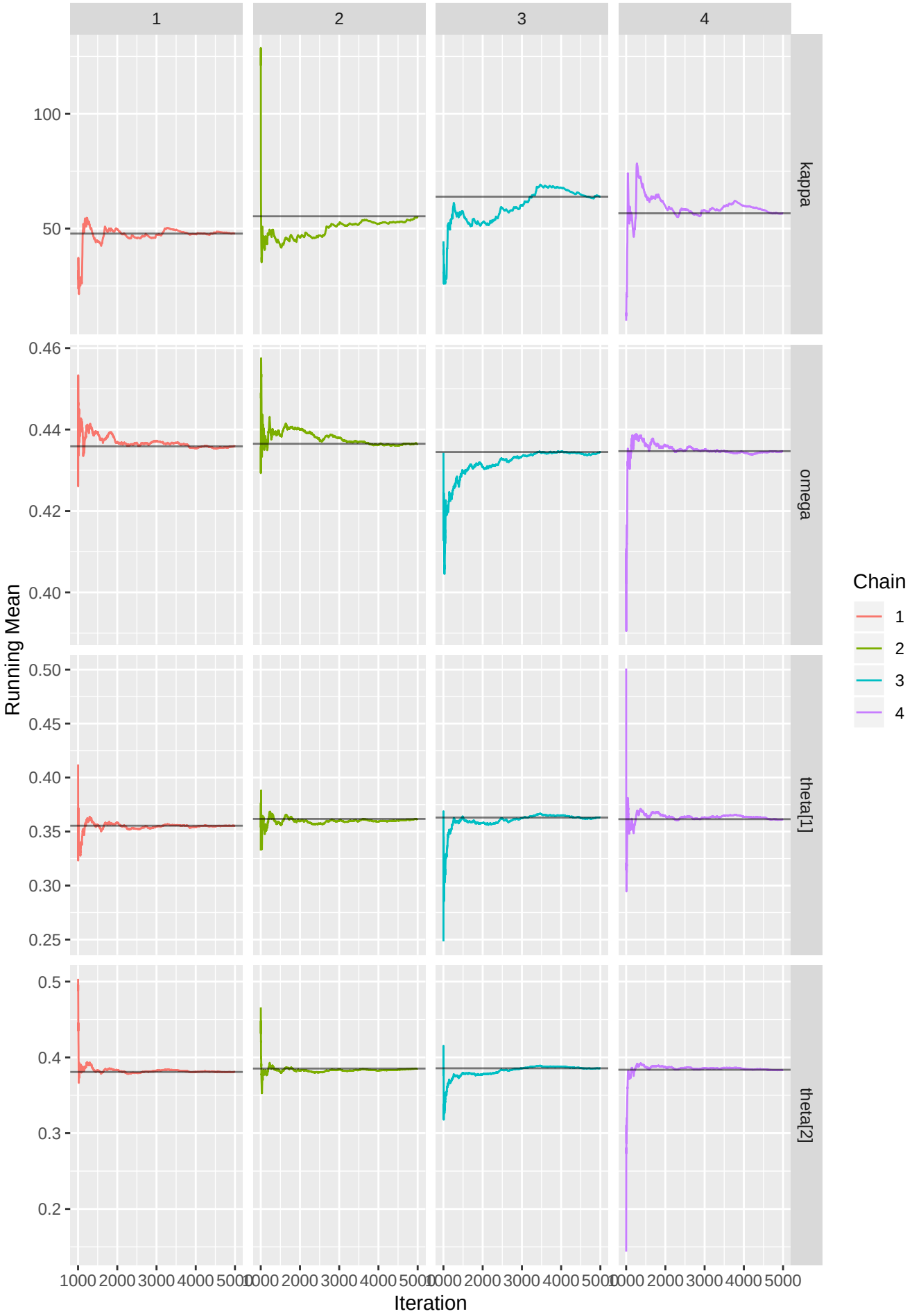
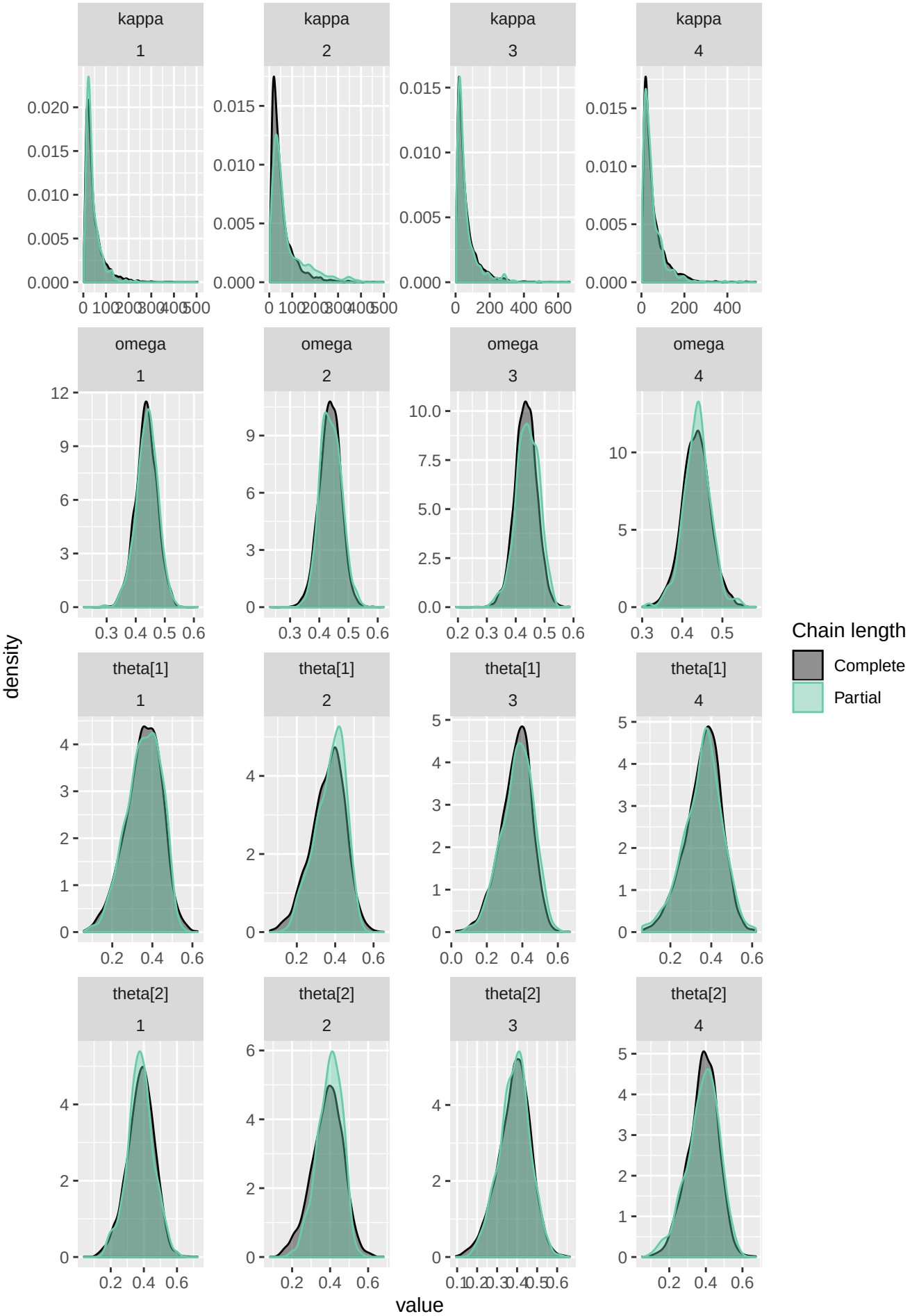
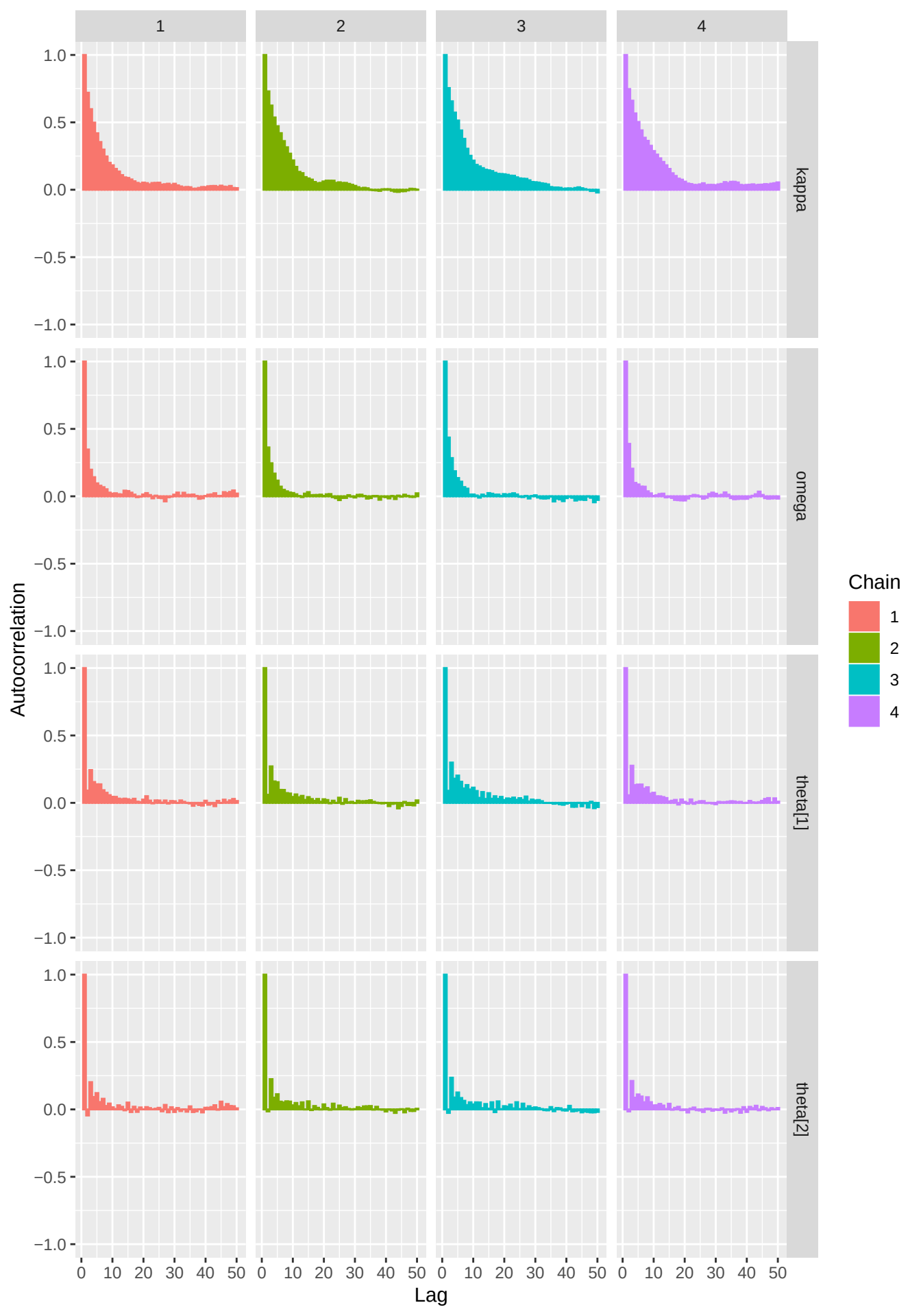

kappa
omega
theta[1]
theta[2]
count
value
0
200
400
600
0.2
0.3
0.4
0.5
0.6
0.0
500
1000
1500
2000
2500
5000
4000
3000

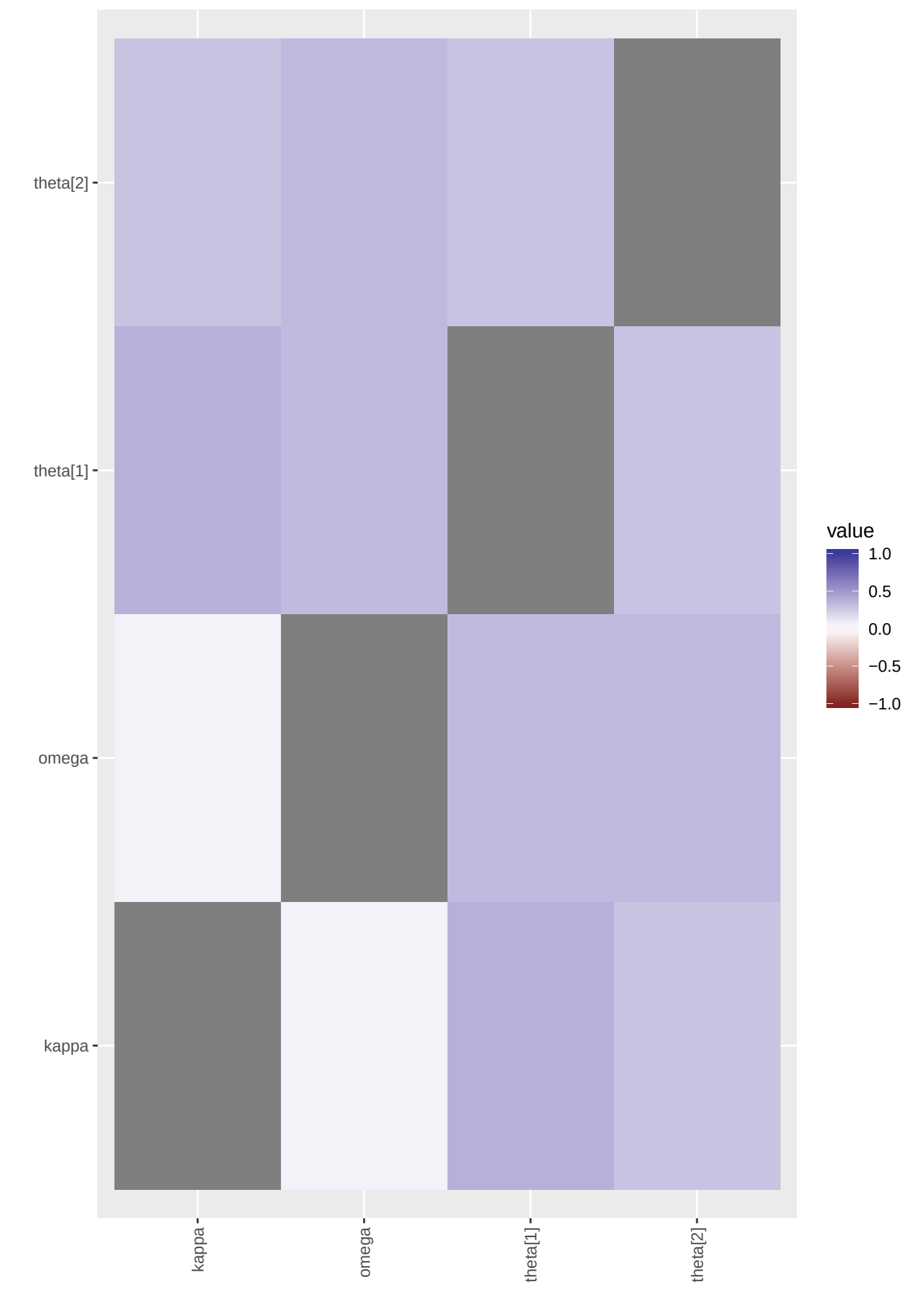

kappa
omega
theta[1]
theta[2]
density
value
Chain
1
2
3
4

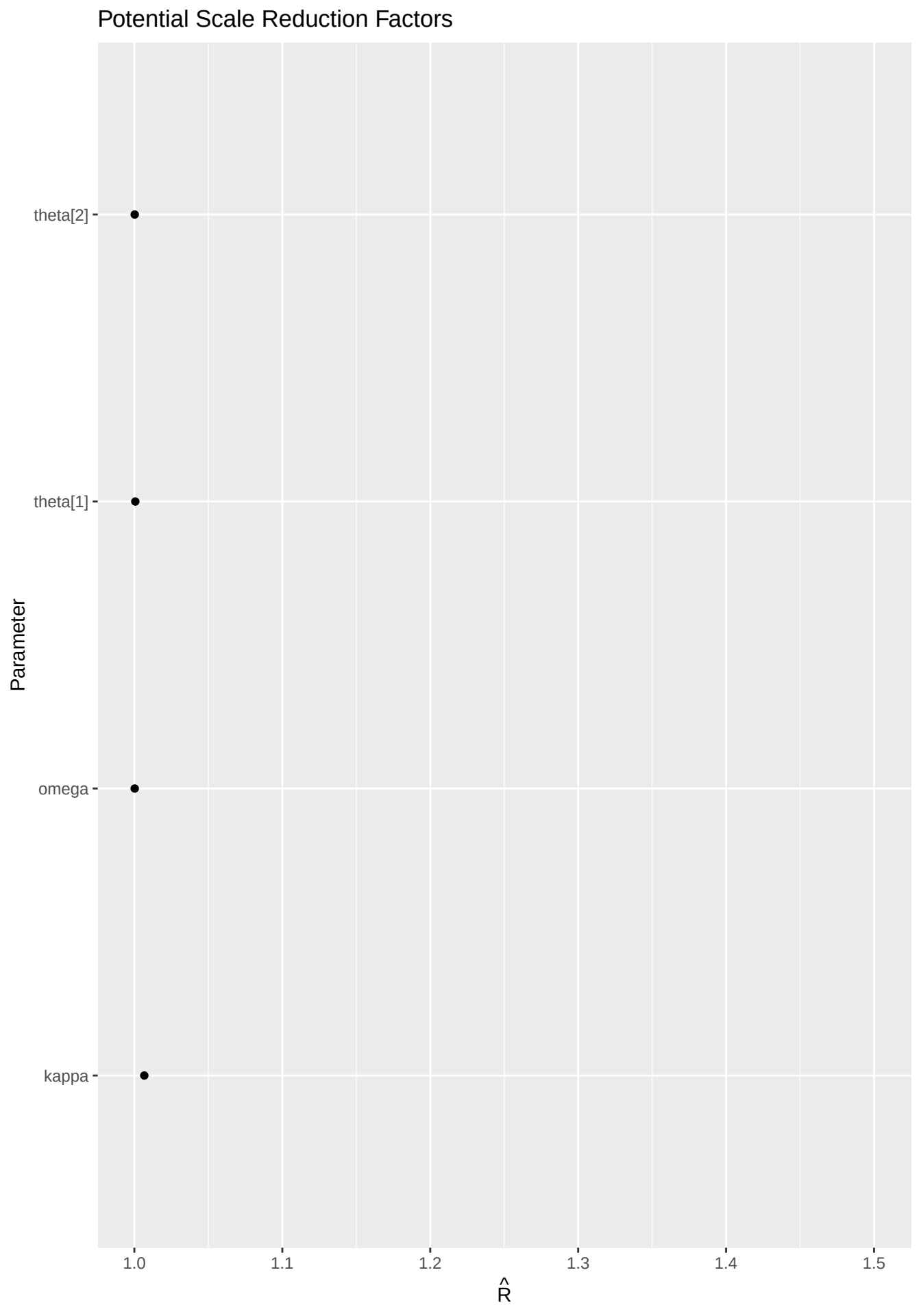

kappa
600
400
200
0
1000
2000
3000
4000
5000
omega
0.6
0.5
0.4
0.3
0.2
theta[1]
0.6
0.4
0.2
0.0
theta[2]
0.6
0.4
0.2
value
Iteration
Chain
1
2
3
4

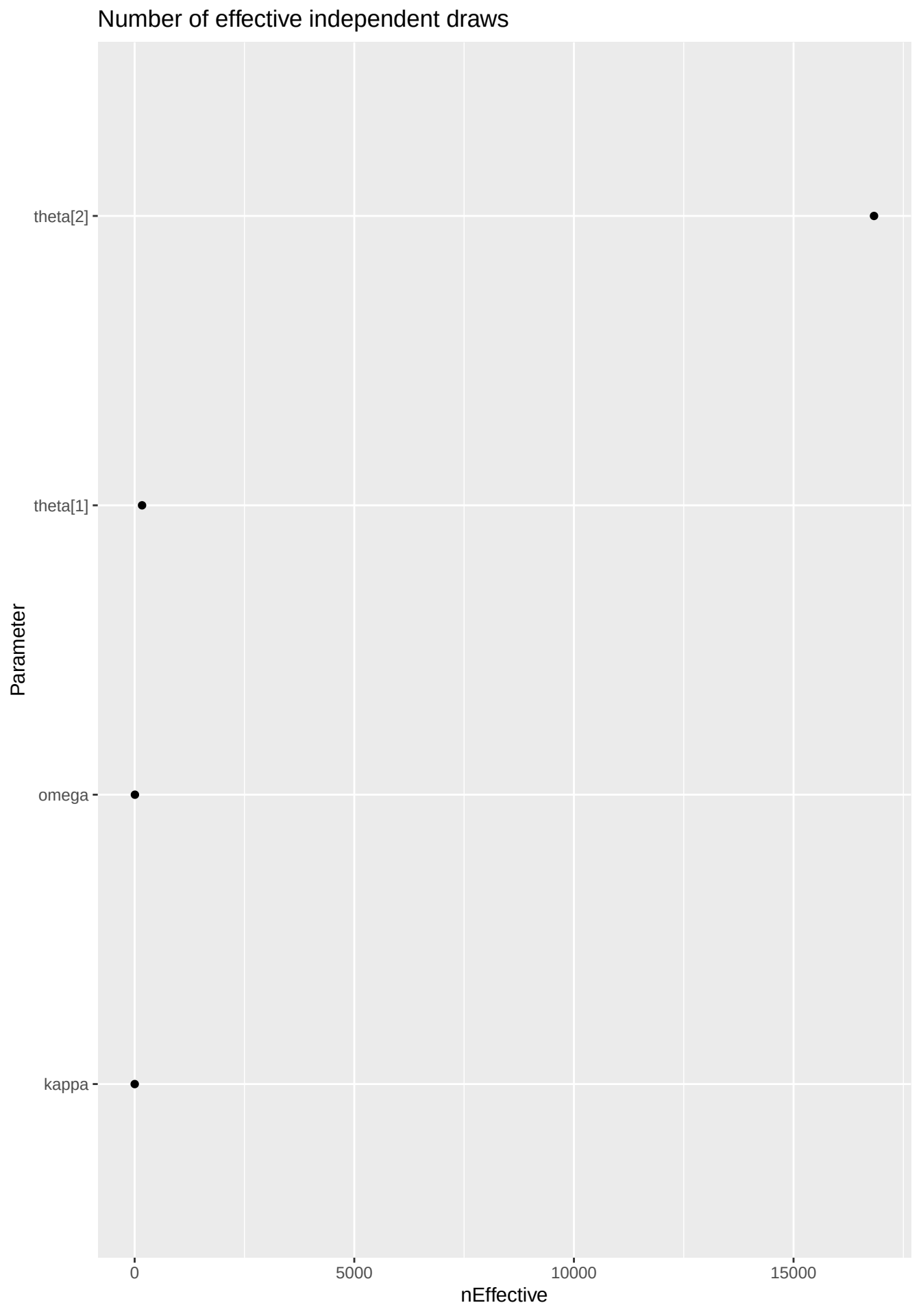

1
2
3
4
kappa
omega
theta[1]
theta[2]
Running Mean
Iteration
Chain
1
2
3
4
100
50
0.46
0.44
0.42
0.40
0.50
0.45
0.40
0.35
0.30
0.25
0.5
0.4
0.3
0.2
1000 2000 3000 4000 5000

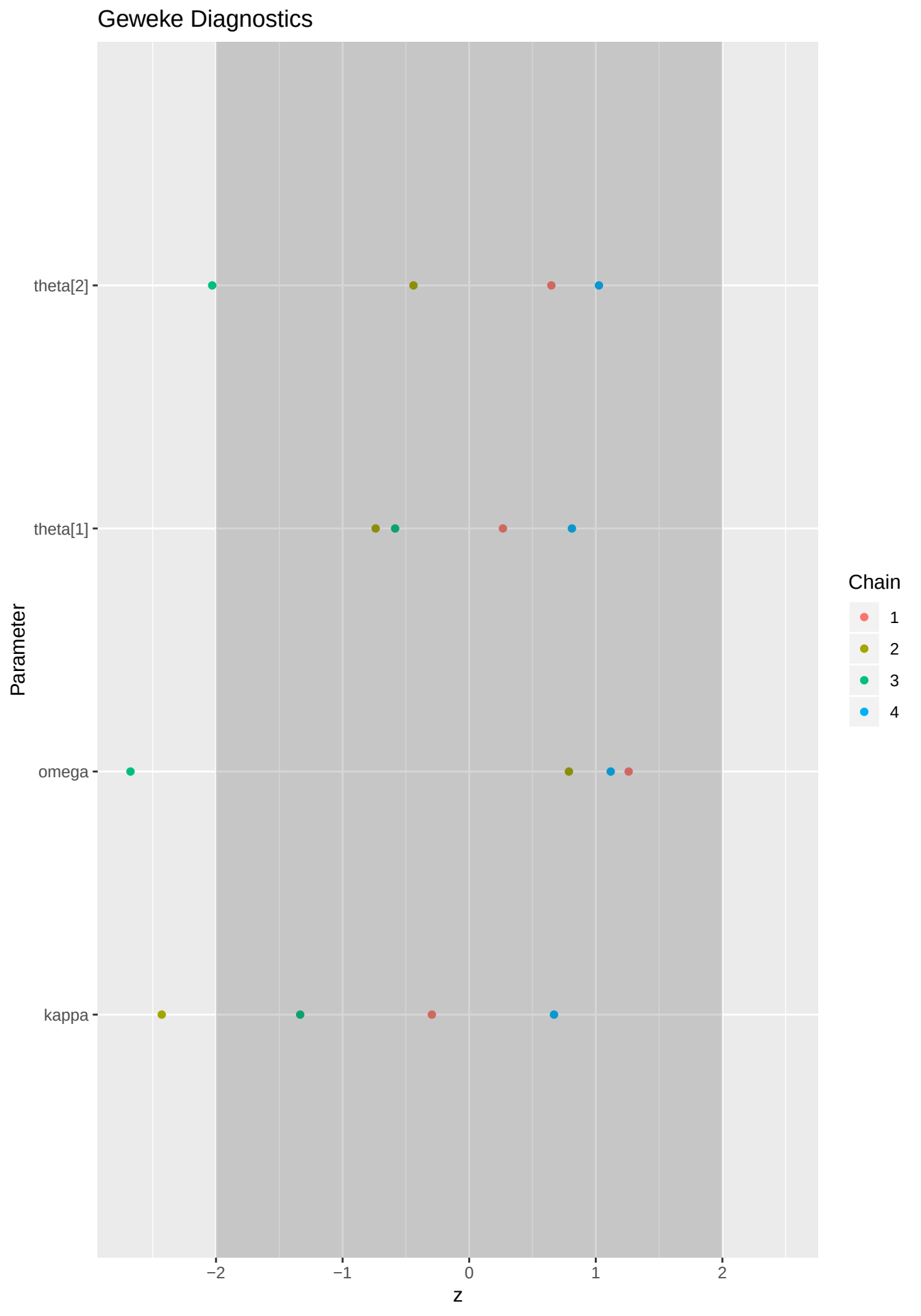

kappa
1
kappa
2
kappa
3
kappa
4
omega
1
omega
2
omega
3
omega
4
theta[1]
1
theta[1]
2
theta[1]
3
theta[1]
4
theta[2]
1
theta[2]
2
theta[2]
3
theta[2]
4
density
value
Chain length
Complete
Partial

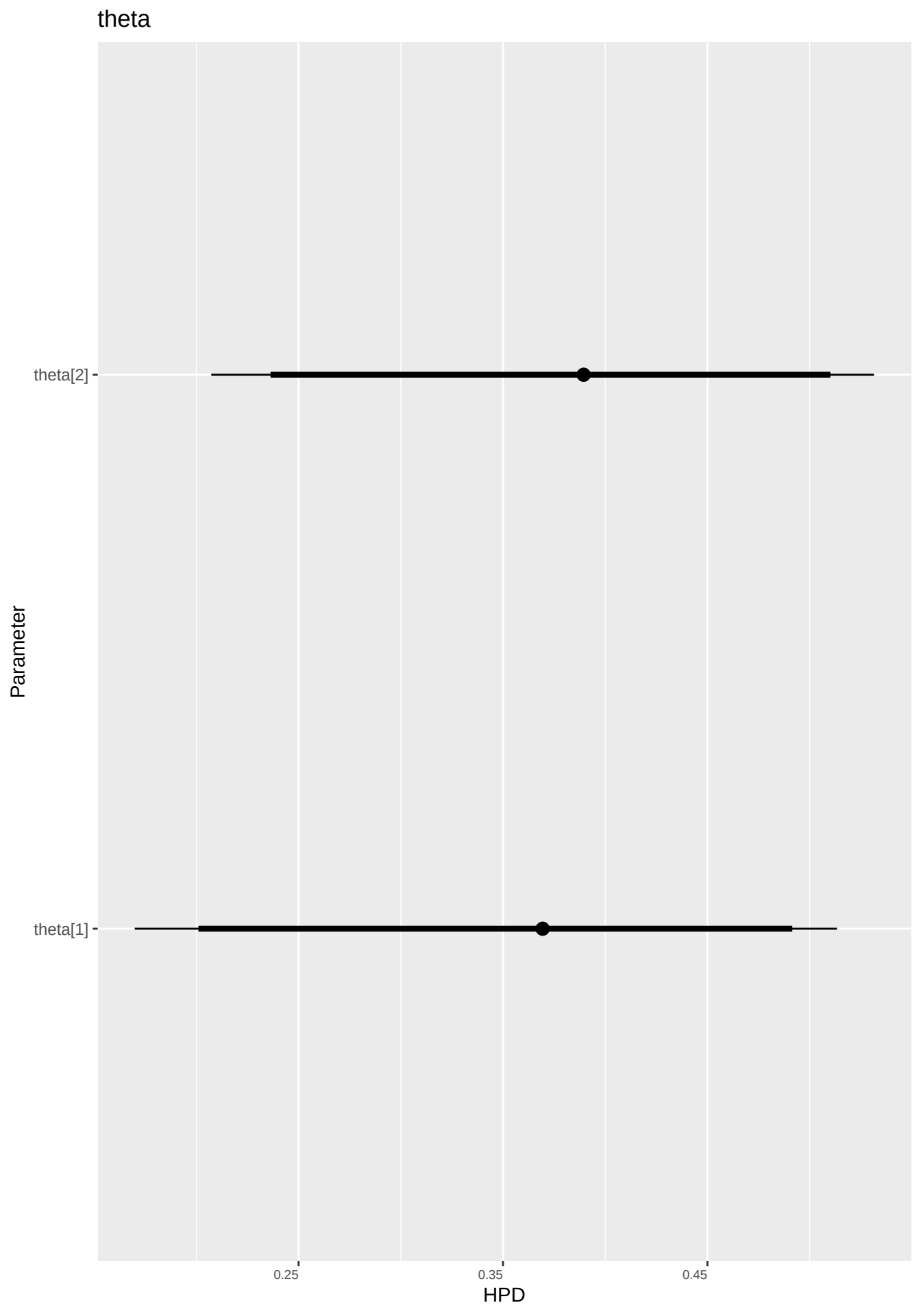

1
2
3
4
kappa
omega
theta[1]
theta[2]
Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50
Lag
Chain
1
2
3
4


theta[2]
theta[1]
omega
kappa
kappa
omega
theta[1]
theta[2]
value
1.0
0.5
0.0
−0.5
−1.0


Potential Scale Reduction Factors
theta[2]
theta[1]
omega
kappa
Parameter
1.0
1.1
1.2
1.3
1.4
1.5
R̂


Number of effective independent draws
theta[2]
theta[1]
omega
kappa
Parameter
0
5000
10000
15000
nEffective


Geweke Diagnostics
theta[2]
theta[1]
omega
kappa
Parameter
−2
−1
0
1
2
z
Chain
1
2
3
4


theta
theta[2]
theta[1]
Parameter
0.25
0.35
0.45
HPD