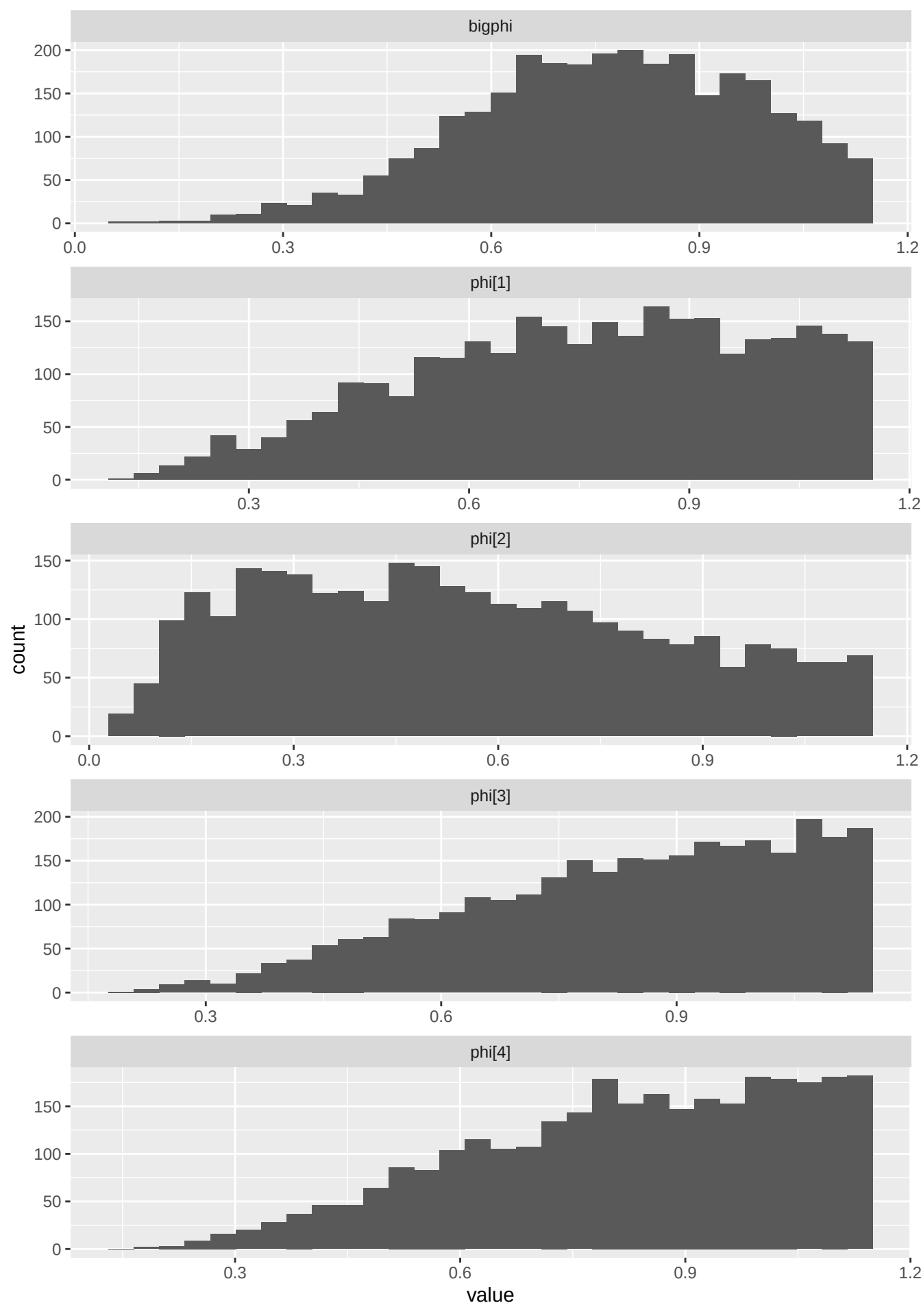
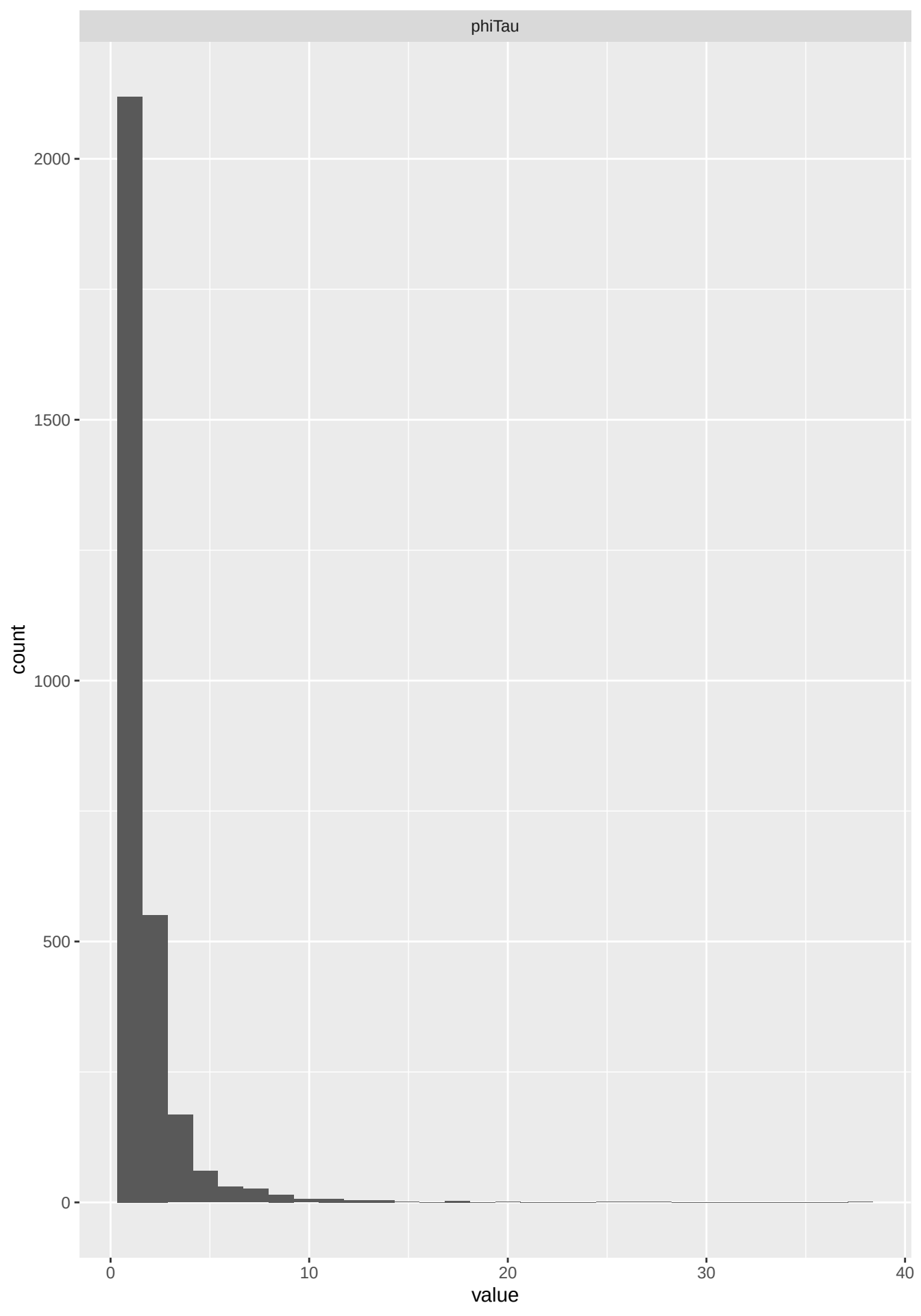
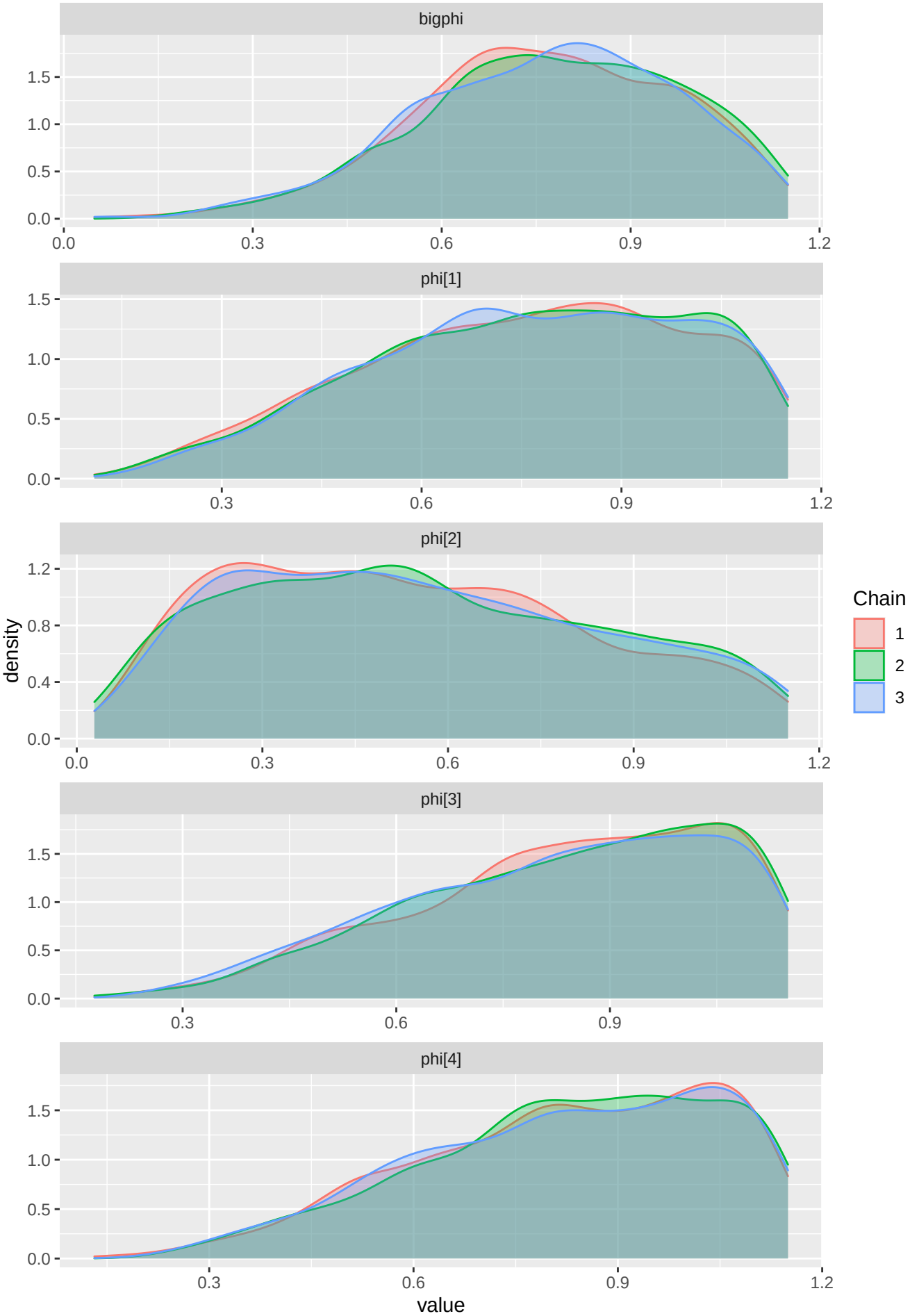
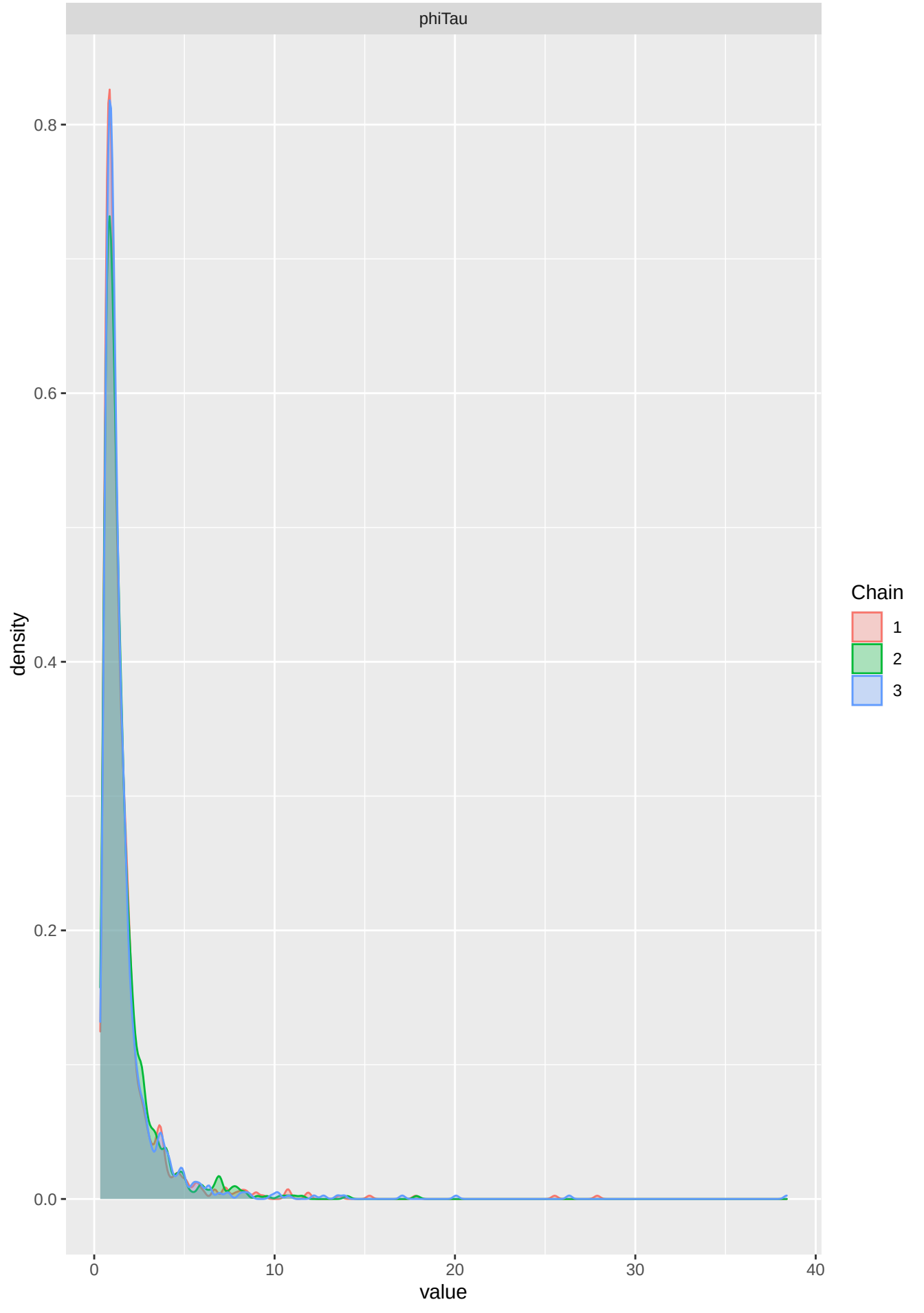
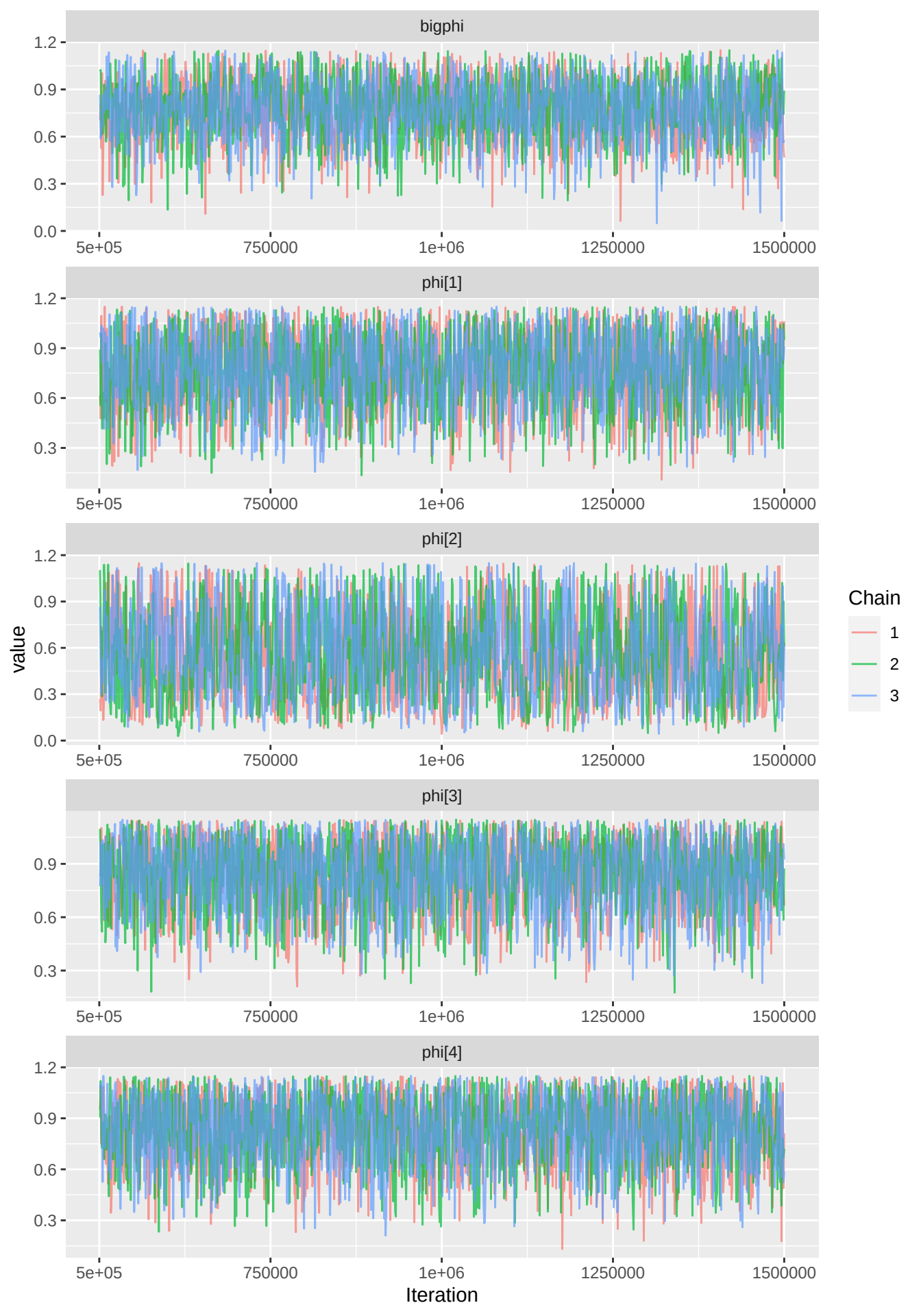
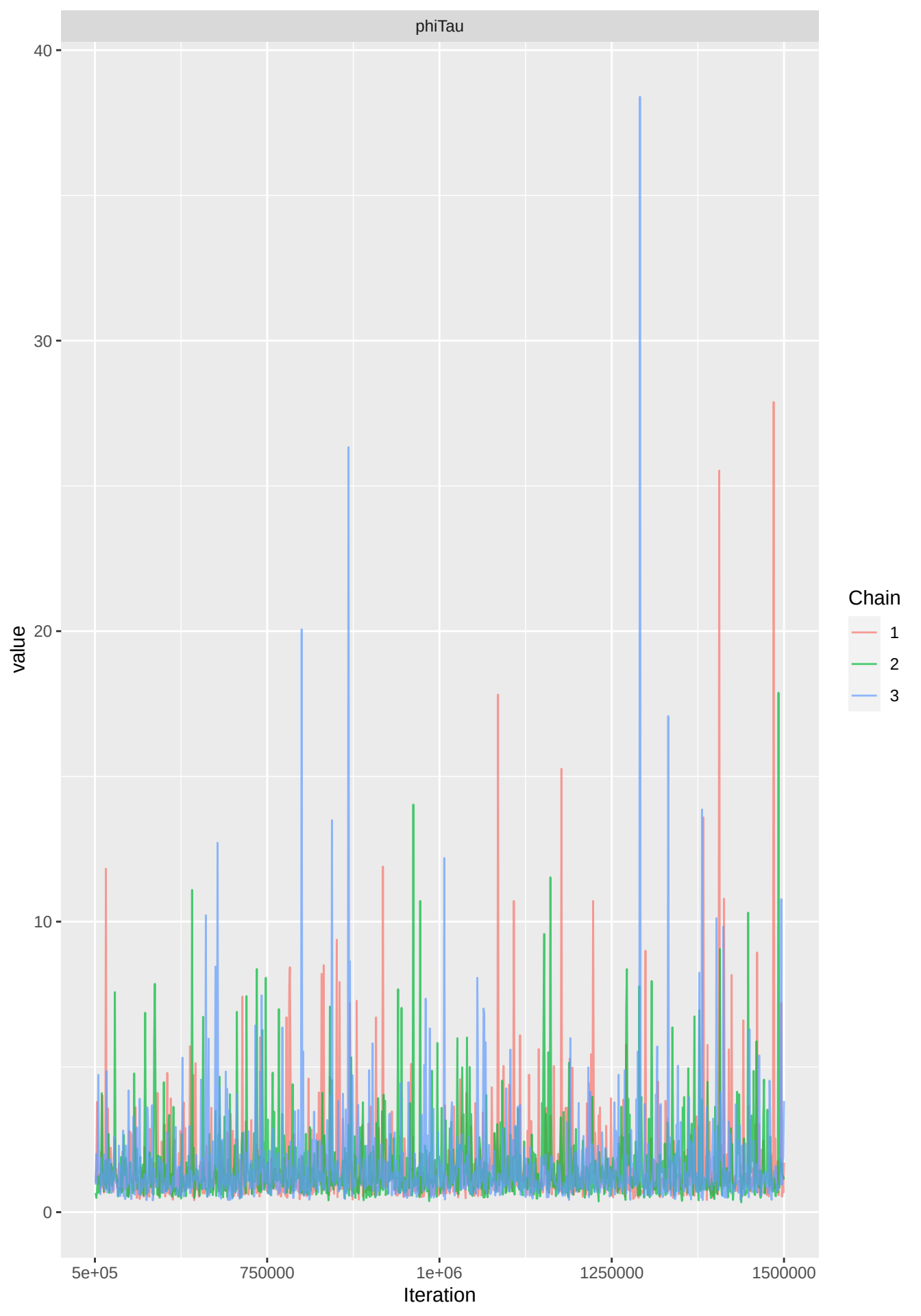

bigphi
phi[1]
phi[2]
phi[3]
phi[4]
count
value
0
50
100
150
200
0.0
0.3
0.6
0.9
1.2

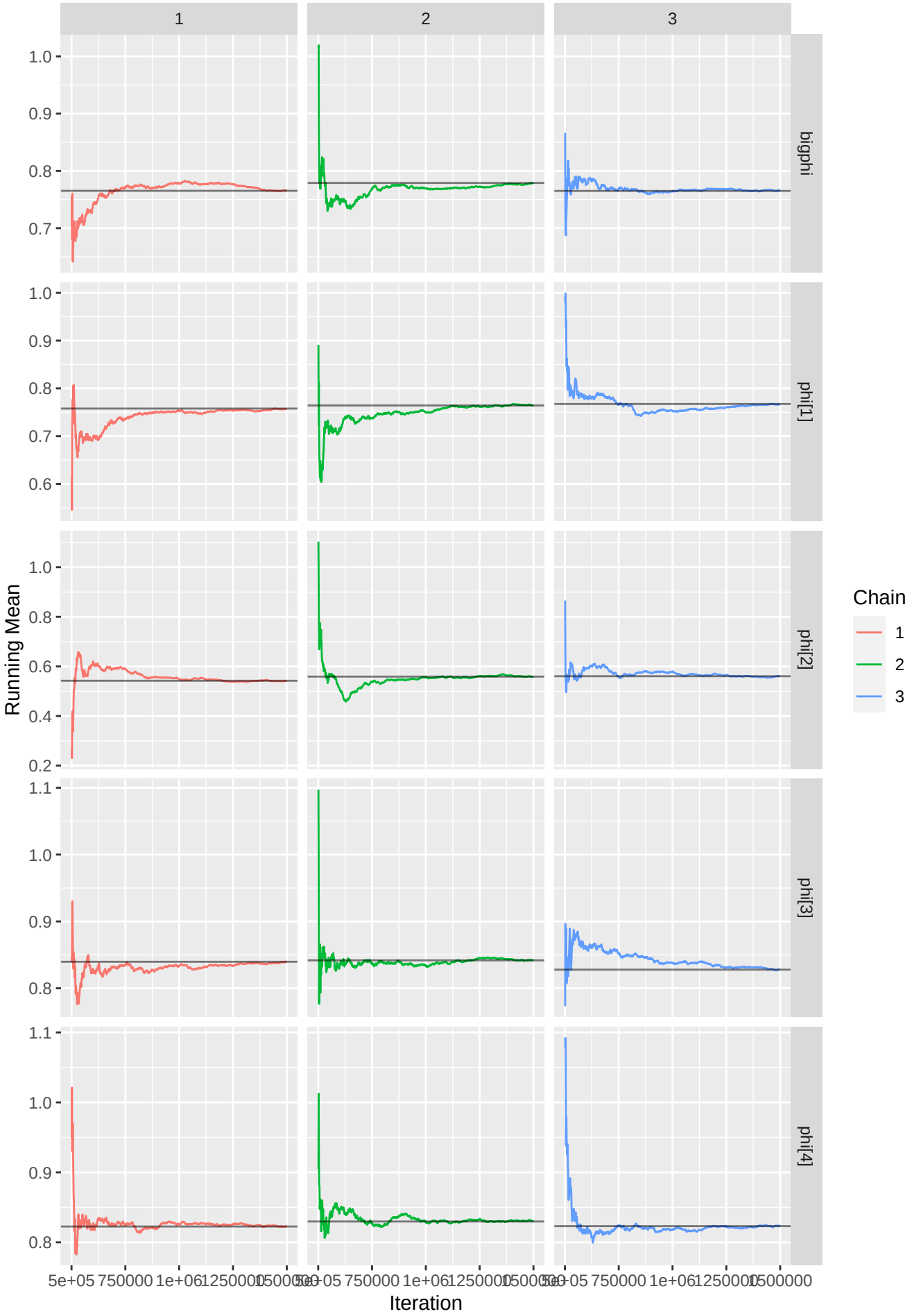

phiTau
2000
1500
1000
500
0
count
0
10
20
30
40
value

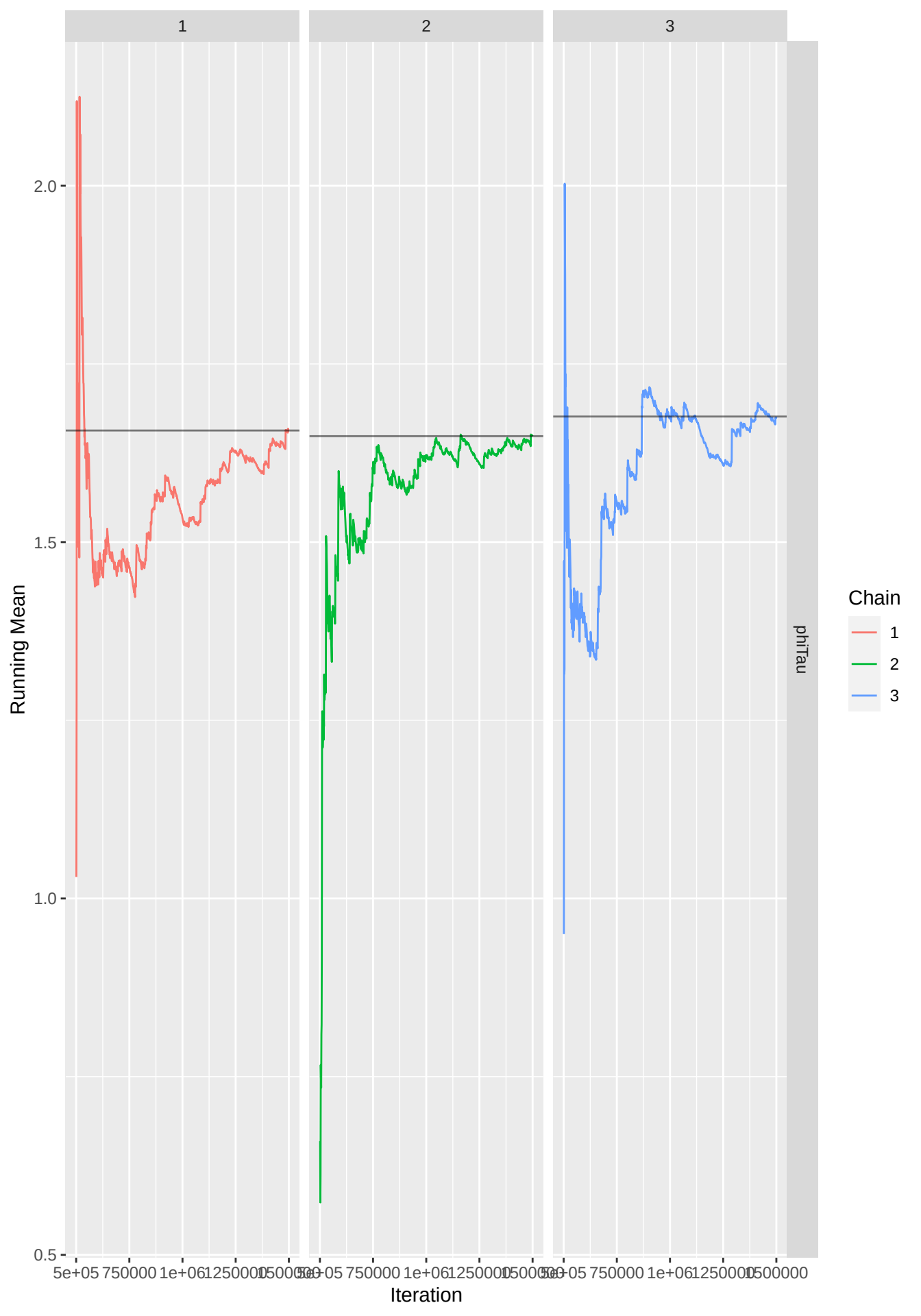

bigphi
phi[1]
phi[2]
phi[3]
phi[4]
density
value
Chain
1
2
3
0.0
0.3
0.6
0.9
1.2
0.5
1.0
1.5
0.4
0.8

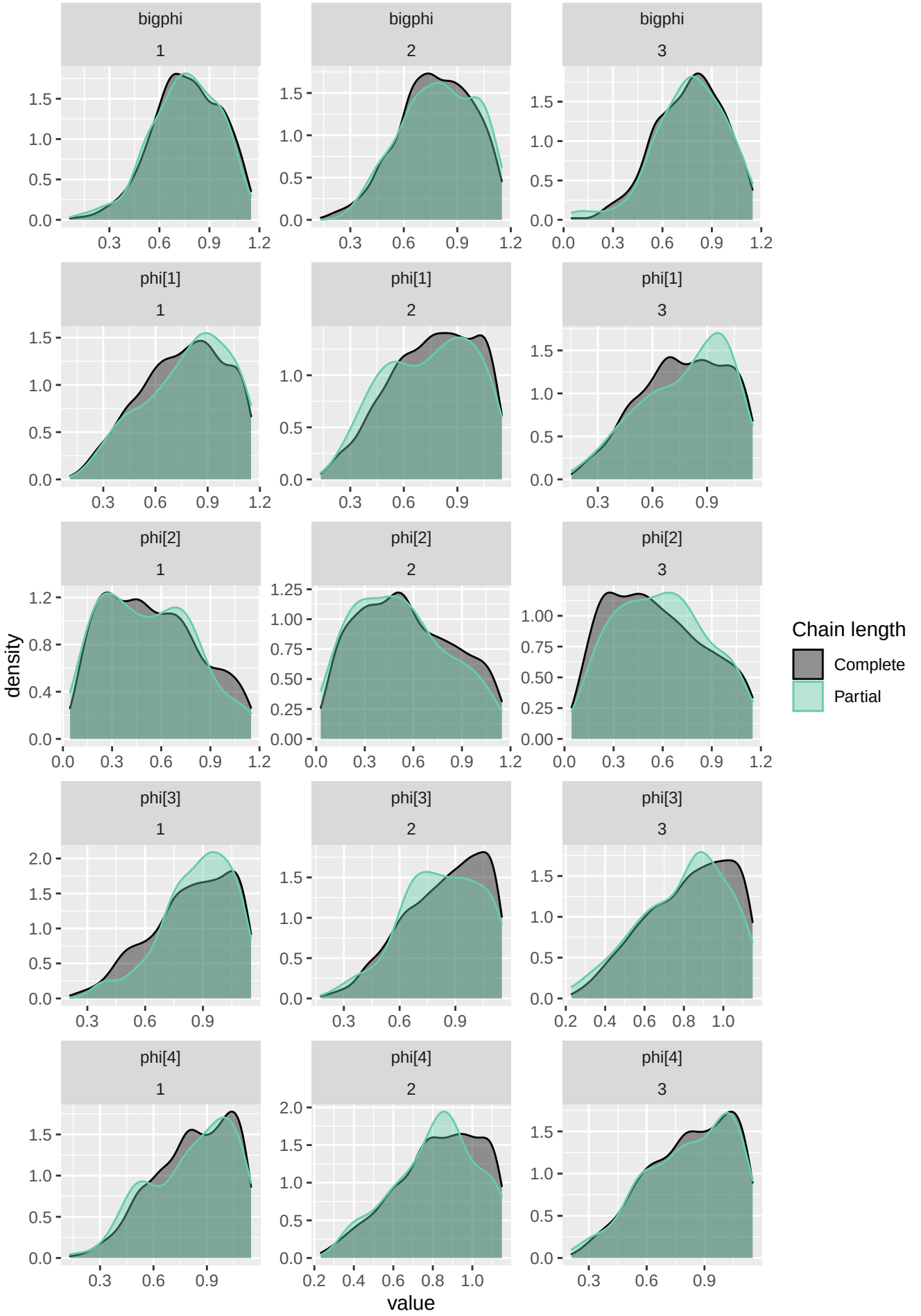

phiTau
density
0.0
0.2
0.4
0.6
0.8
0
10
20
30
40
value
Chain
1
2
3

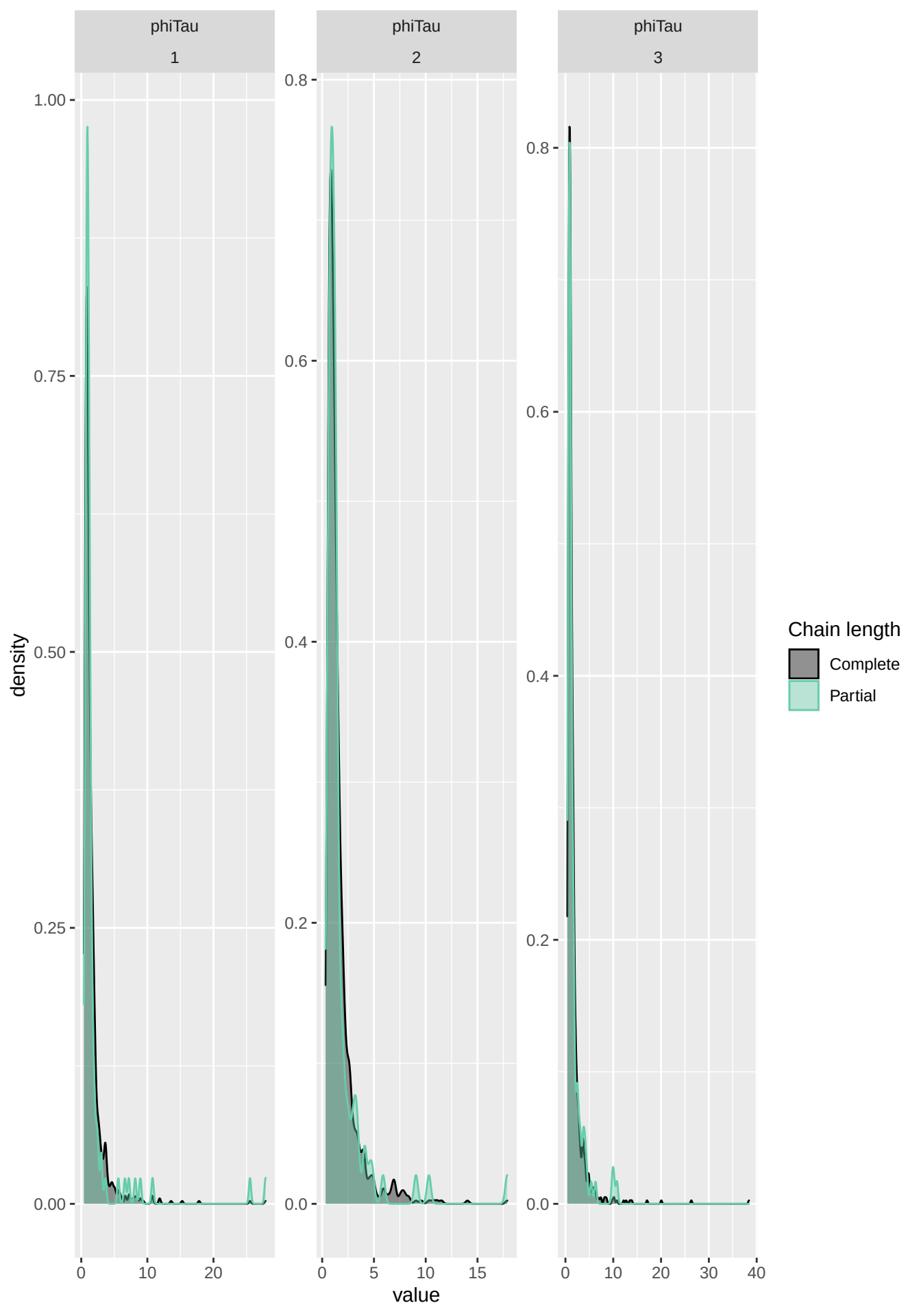

bigphi
phi[1]
phi[2]
phi[3]
phi[4]
value
Iteration
Chain
1
2
3
0.0
0.3
0.6
0.9
1.2
5e+05
750000
1e+06
1250000
1500000

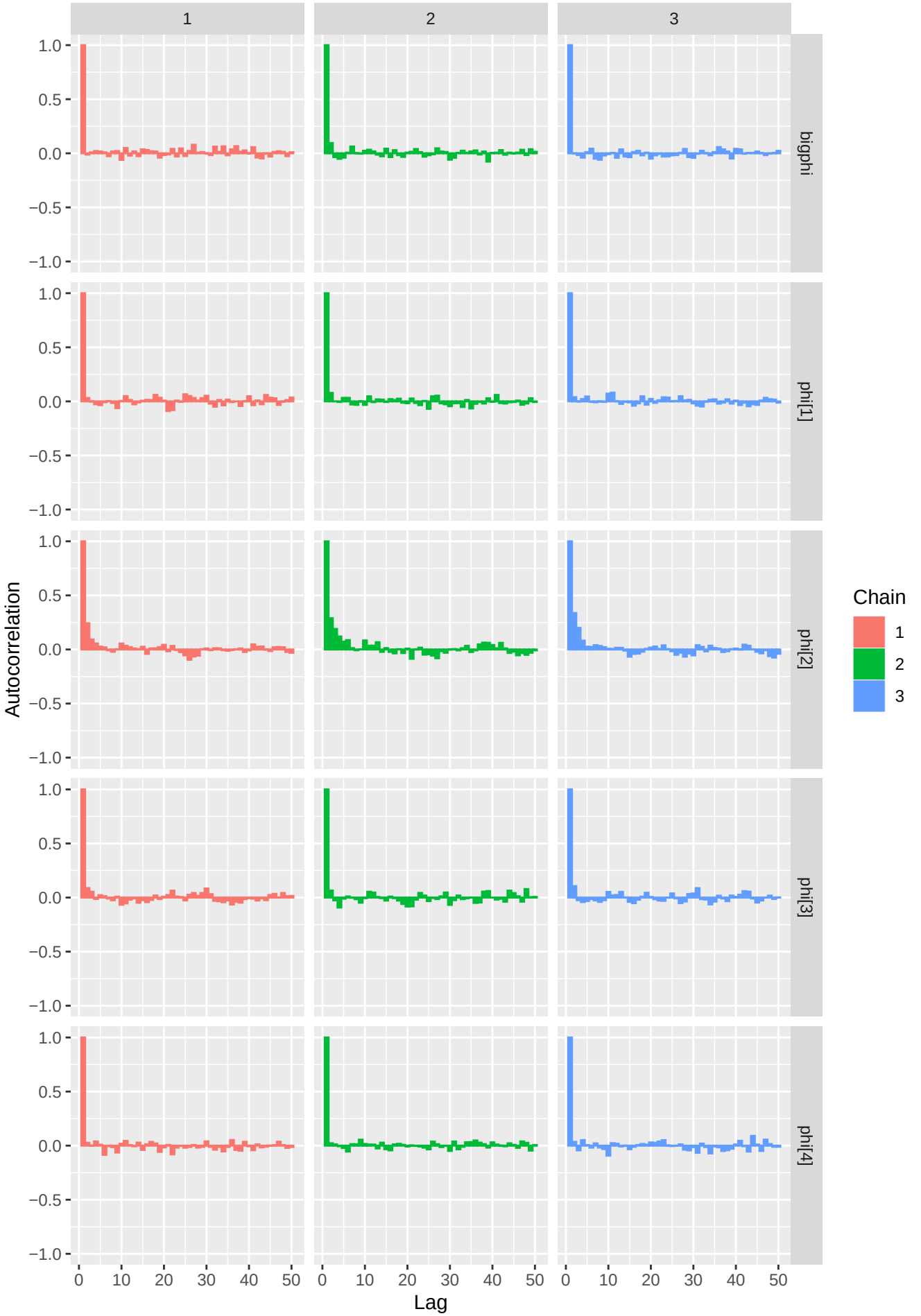

phiTau
40
30
20
10
0
value
5e+05
750000
1e+06
1250000
1500000
Iteration
Chain
1
2
3

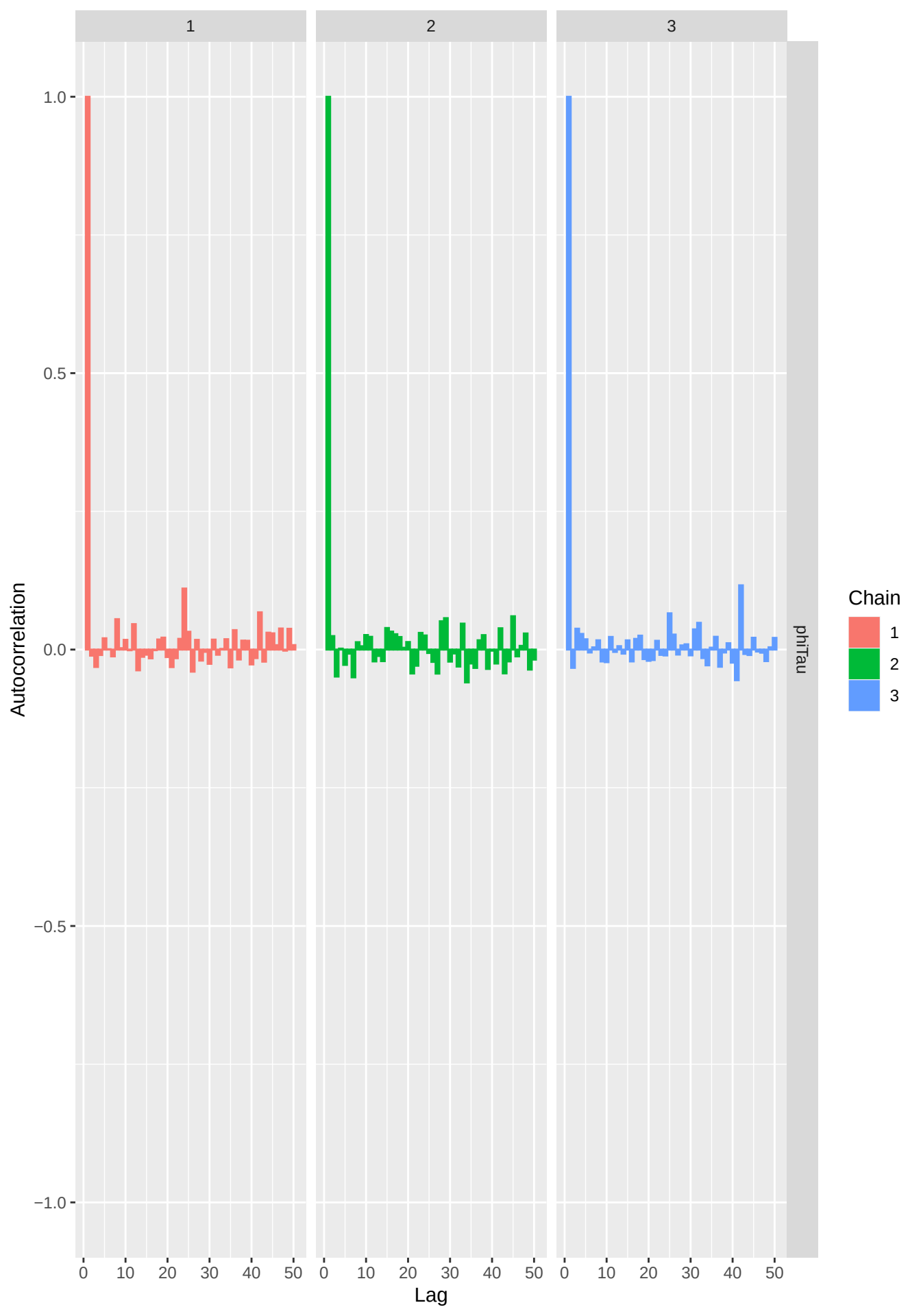

1
2
3
bigphi
phi[1]
phi[2]
phi[3]
phi[4]
Running Mean
Iteration
Chain
1
2
3

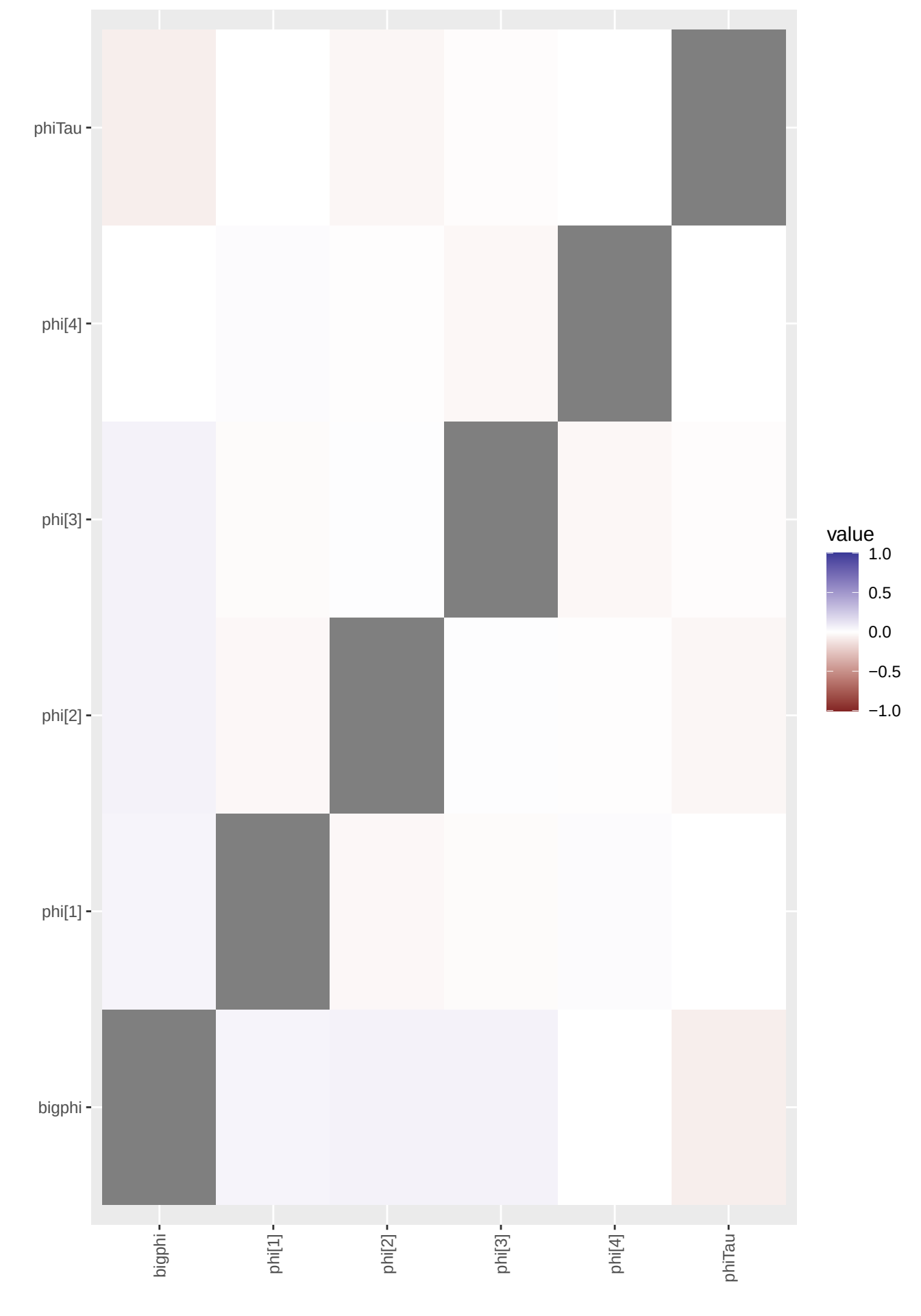

1
2
3
2.0
1.5
1.0
0.5
Running Mean
5e+05
750000
1e+06
1250000
1500000
Iteration
phiTau
Chain
1
2
3

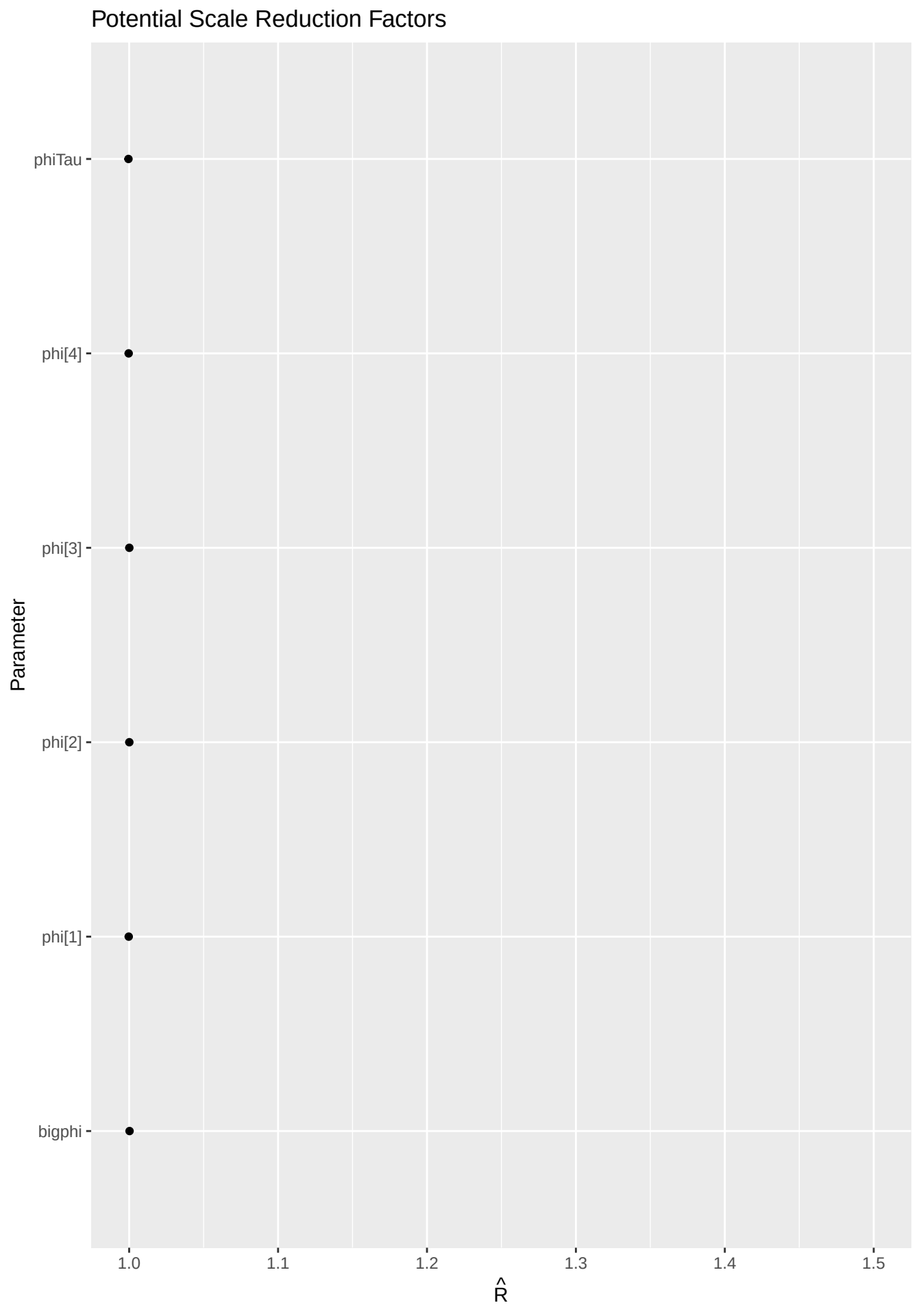

bigphi
1
bigphi
2
bigphi
3
phi[1]
1
phi[1]
2
phi[1]
3
phi[2]
1
phi[2]
2
phi[2]
3
phi[3]
1
phi[3]
2
phi[3]
3
phi[4]
1
phi[4]
2
phi[4]
3
density
value
Chain length
Complete
Partial

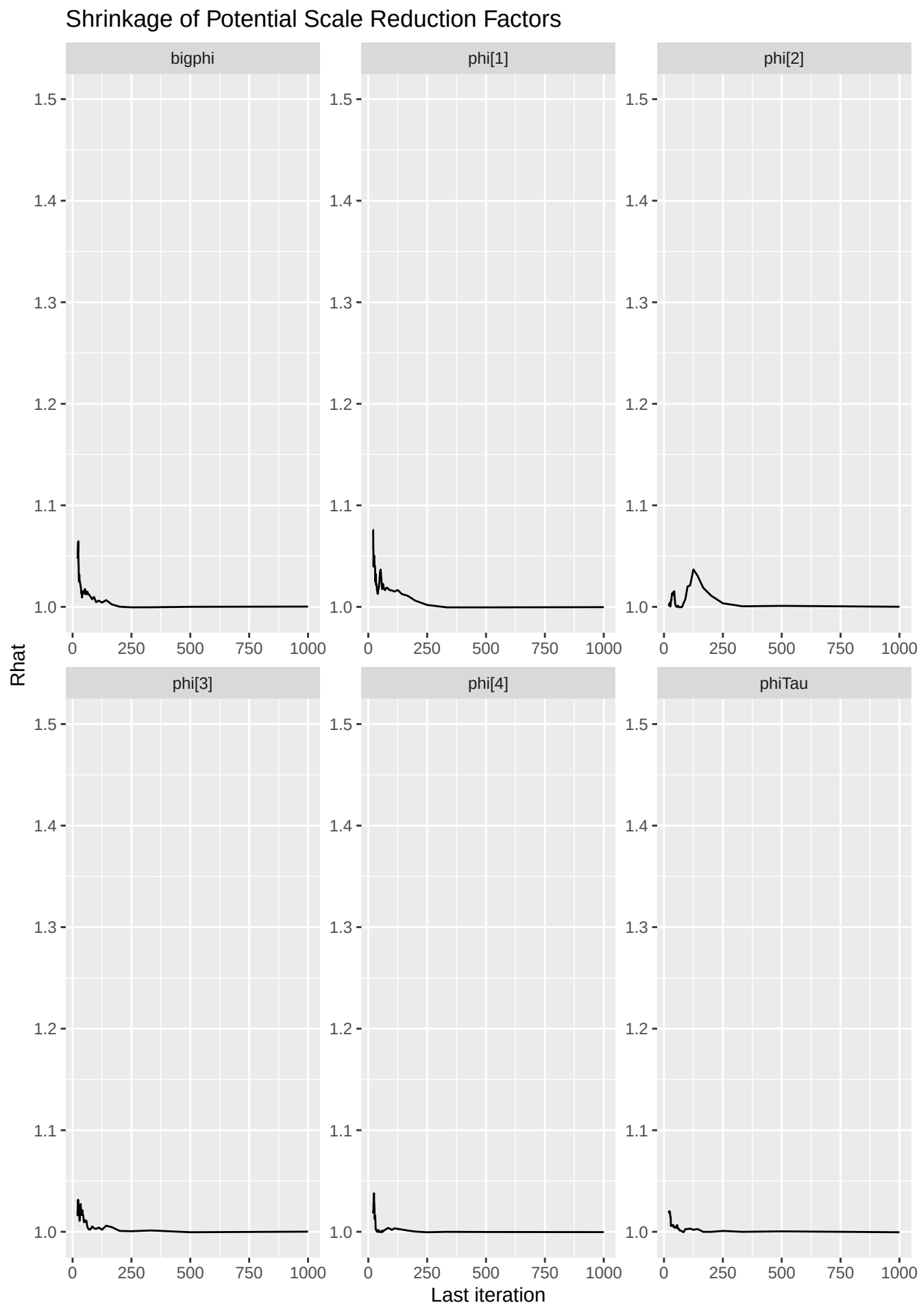

phiTau
1
phiTau
2
phiTau
3
density
value
1.00
0.75
0.50
0.25
0.00
0.8
0.6
0.4
0.2
0.0
0
10
20
5
15
30
40
Chain length
Complete
Partial

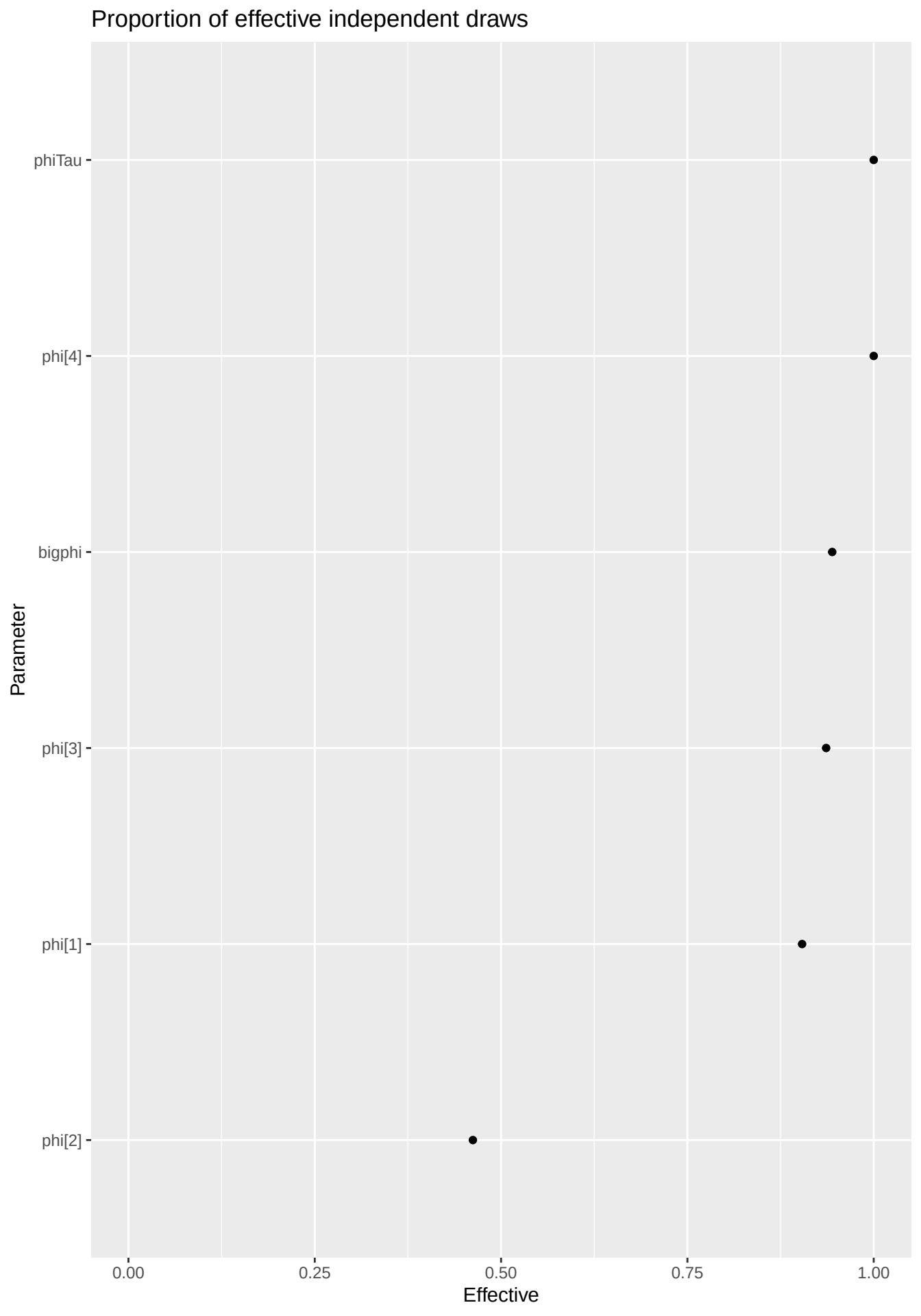

1
2
3
bigphi
phi[1]
phi[2]
phi[3]
phi[4]
Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50
Lag
Chain
1
2
3


1
2
3
1.0
0.5
0.0
−0.5
−1.0
Autocorrelation
0
10
20
30
40
50
Lag
phiTau
Chain
1
2
3

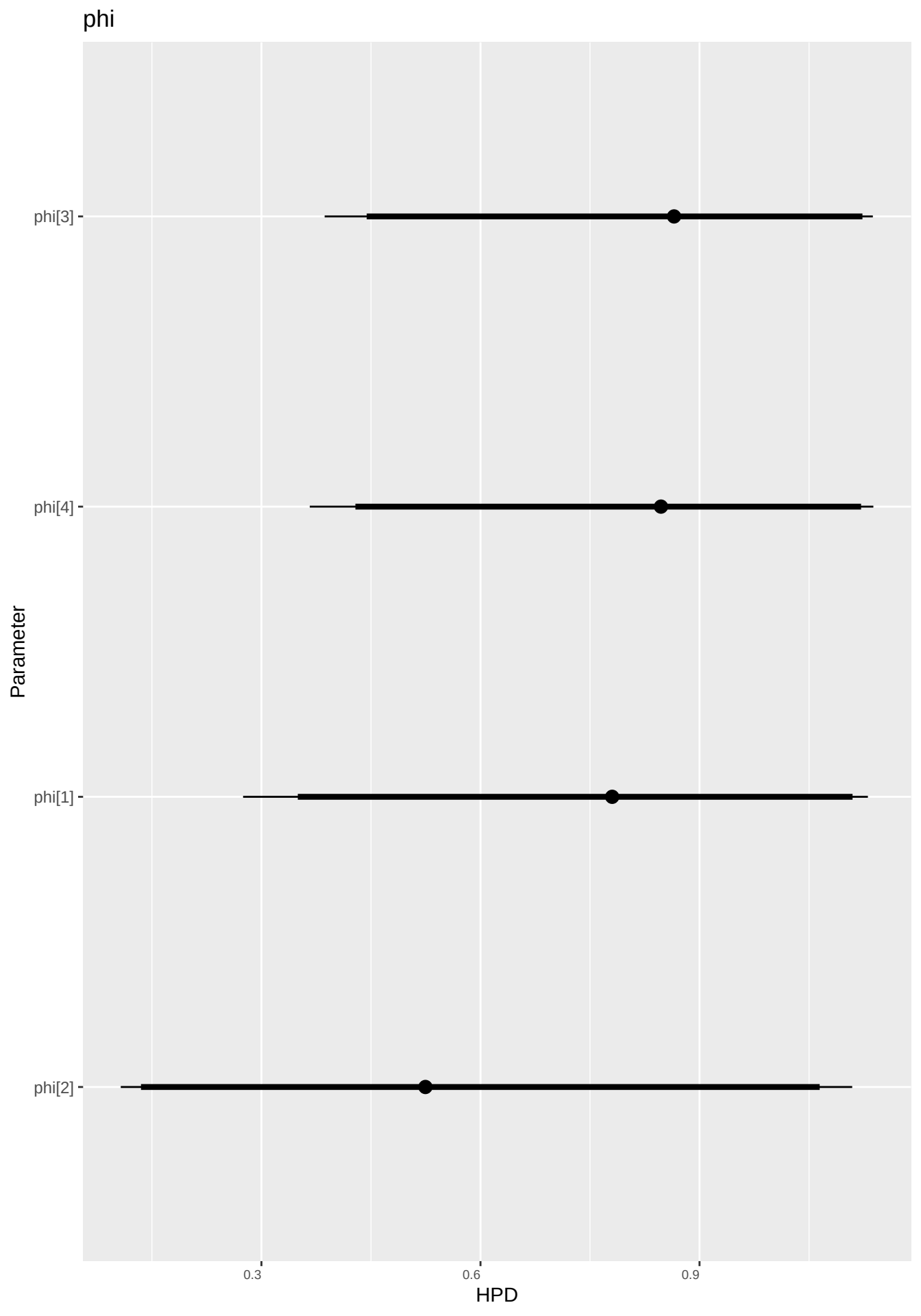

phiTau
phi[4]
phi[3]
phi[2]
phi[1]
bigphi
bigphi
phi[1]
phi[2]
phi[3]
phi[4]
phiTau
value
1.0
0.5
0.0
−0.5
−1.0


Potential Scale Reduction Factors
phiTau
phi[4]
phi[3]
phi[2]
phi[1]
bigphi
Parameter
1.0
1.1
1.2
1.3
1.4
1.5
R̂


Shrinkage of Potential Scale Reduction Factors
bigphi
phi[1]
phi[2]
phi[3]
phi[4]
phiTau
Rhat
Last iteration
1.5
1.4
1.3
1.2
1.1
1.0
0
250
500
750
1000


Proportion of effective independent draws
phiTau
phi[4]
bigphi
phi[3]
phi[1]
phi[2]
Parameter
0.00
0.25
0.50
0.75
1.00
Effective

Geweke Diagnostics
phiTau
phi[4]
phi[3]
phi[2]
phi[1]
bigphi
Parameter
−2
−1
0
1
2
z
Chain
1
2
3


phi
phi[3]
phi[4]
phi[1]
phi[2]
Parameter
0.3
0.6
0.9
HPD