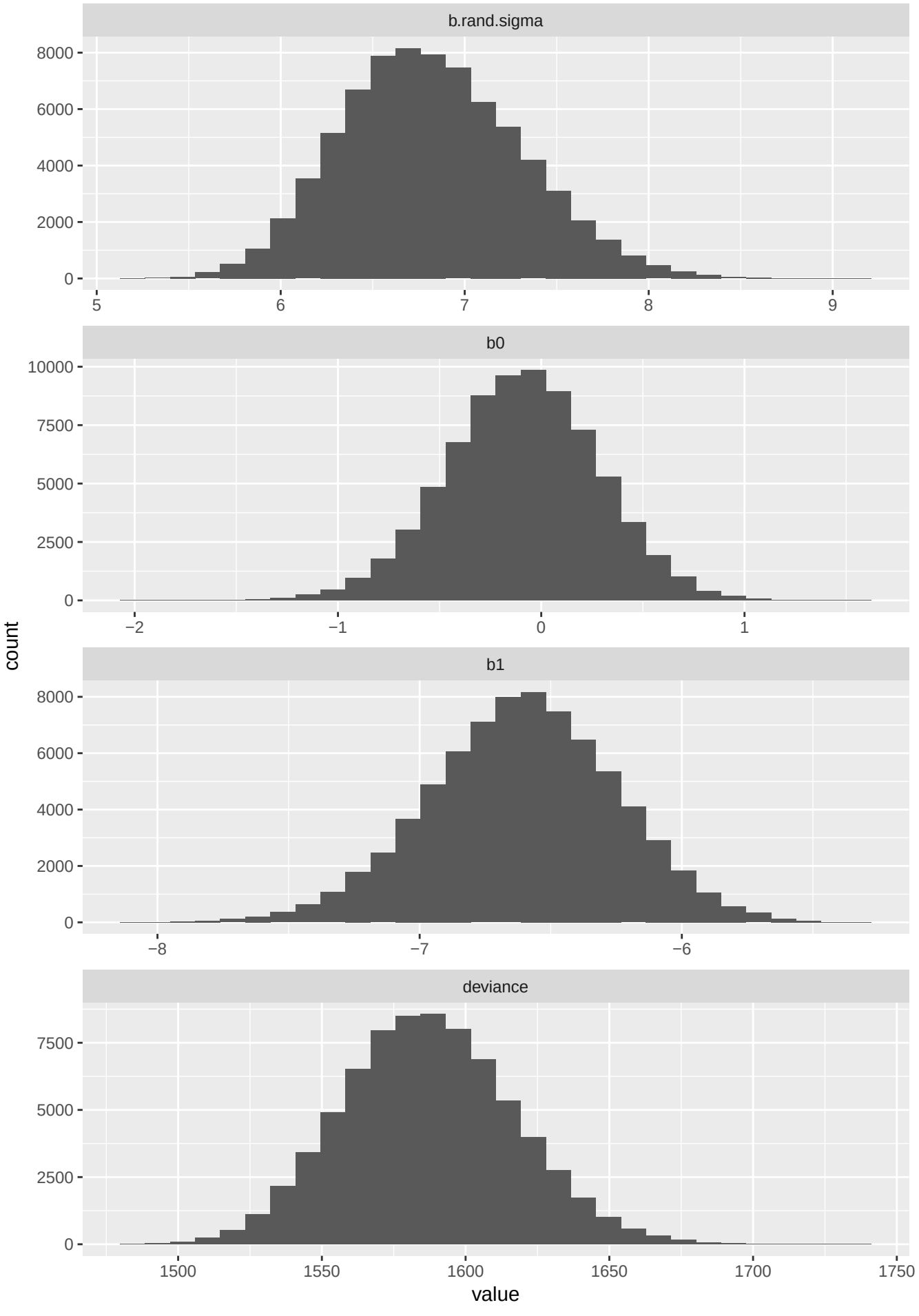
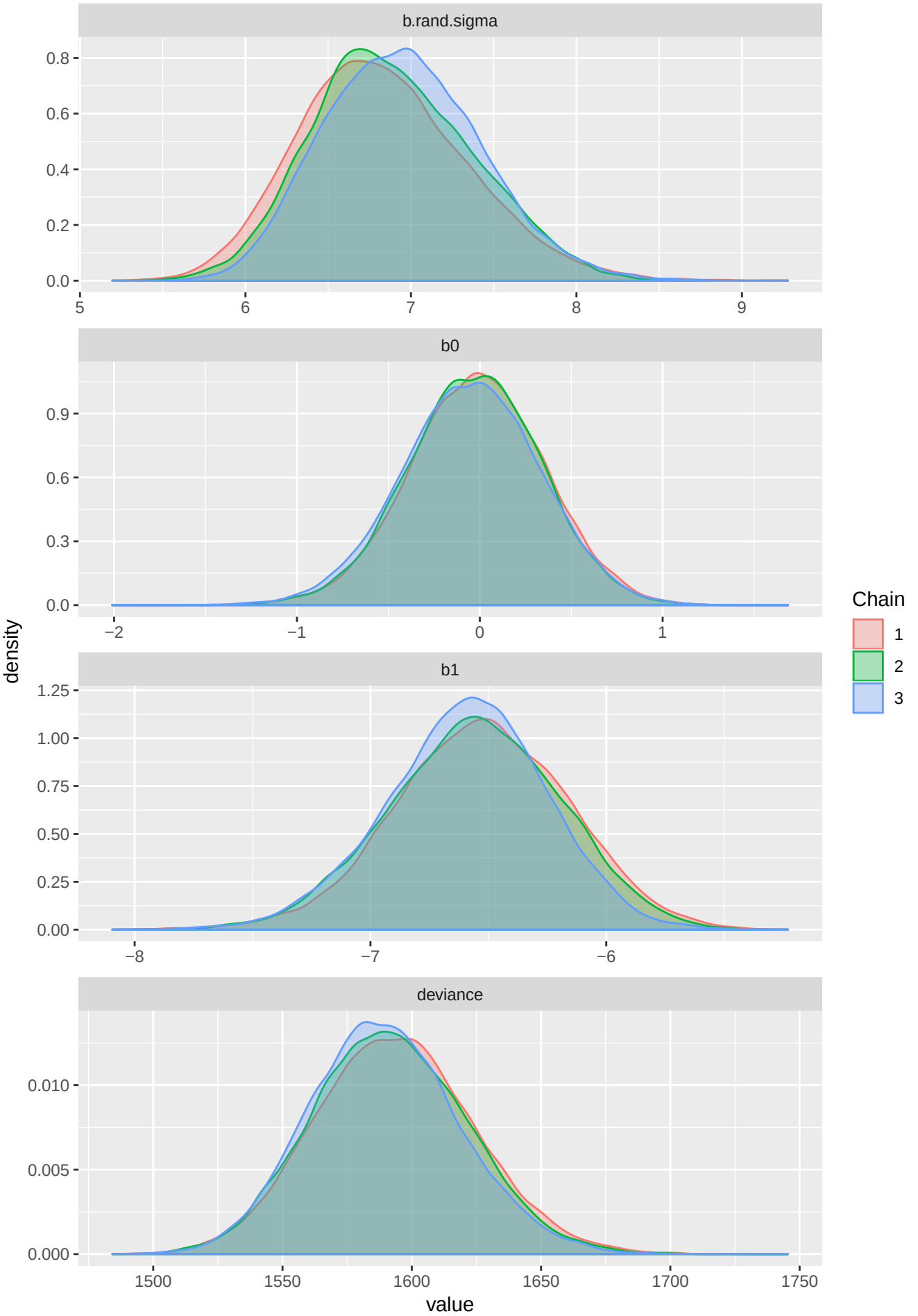
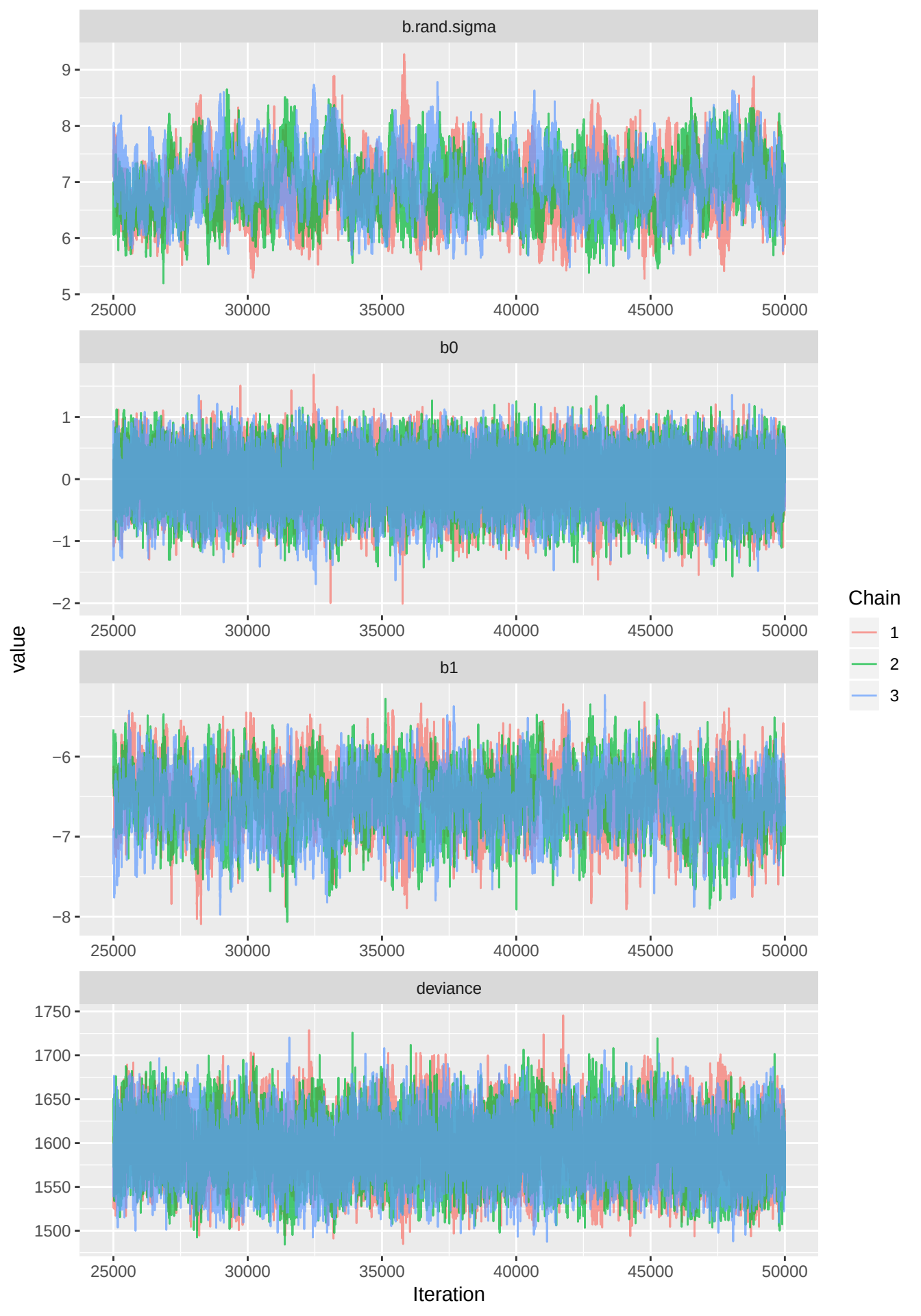
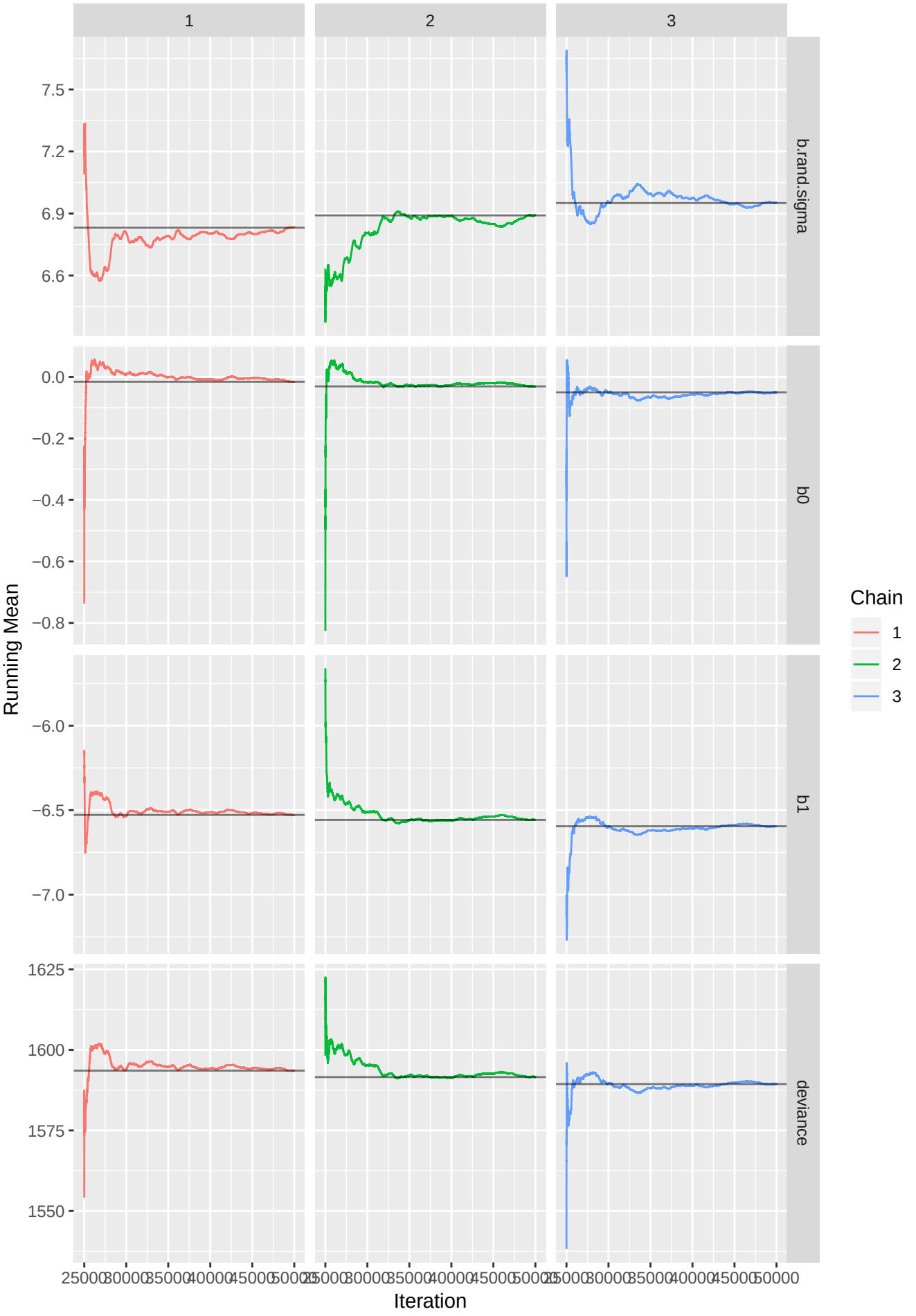
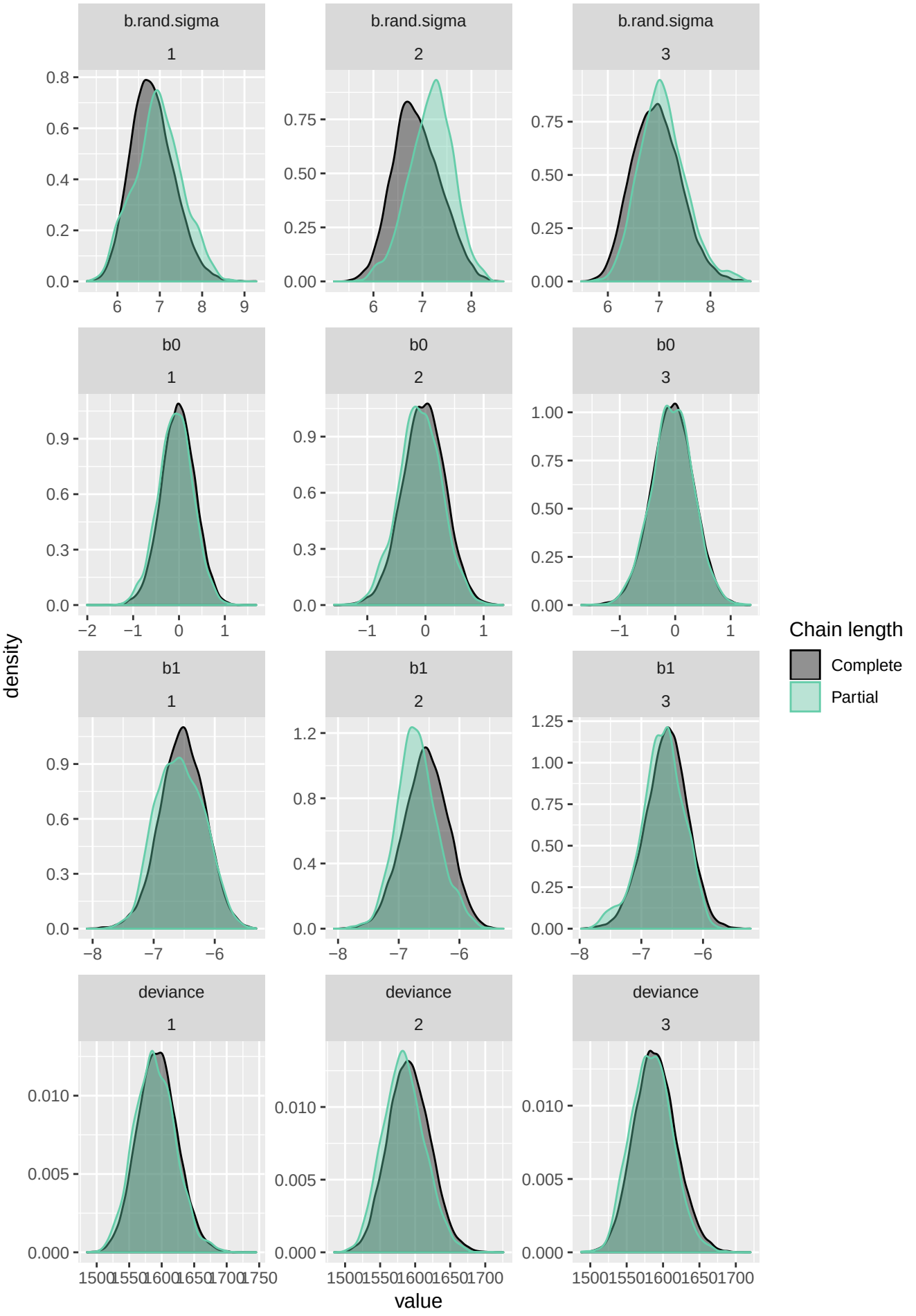
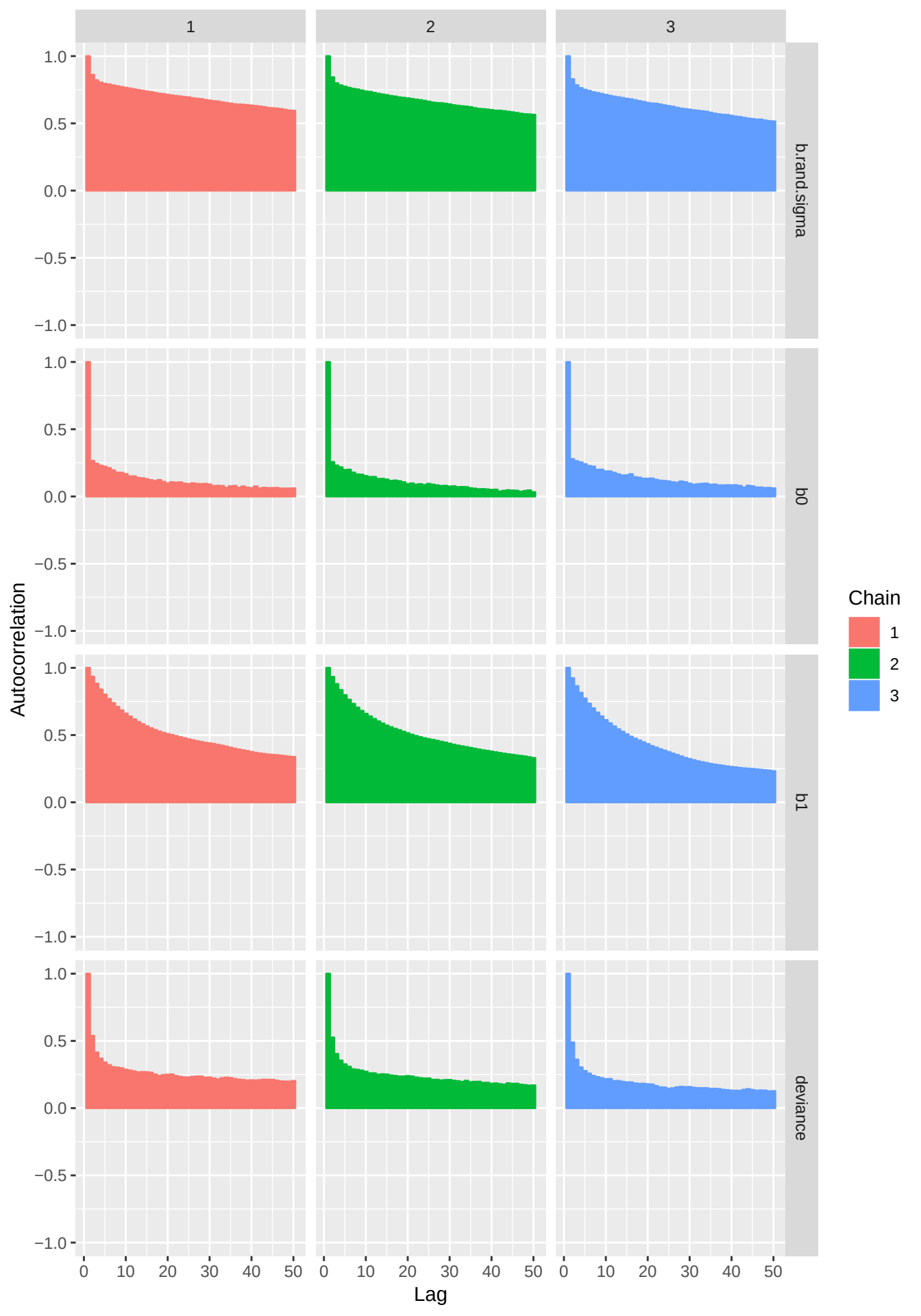

b.rand.sigma
b0
b1
deviance
count
value
8000
6000
4000
2000
0
10000
7500
5000
2500
5
6
7
8
9
−2
−1
0
1
−8
−7
−6
1500
1550
1600
1650
1700
1750

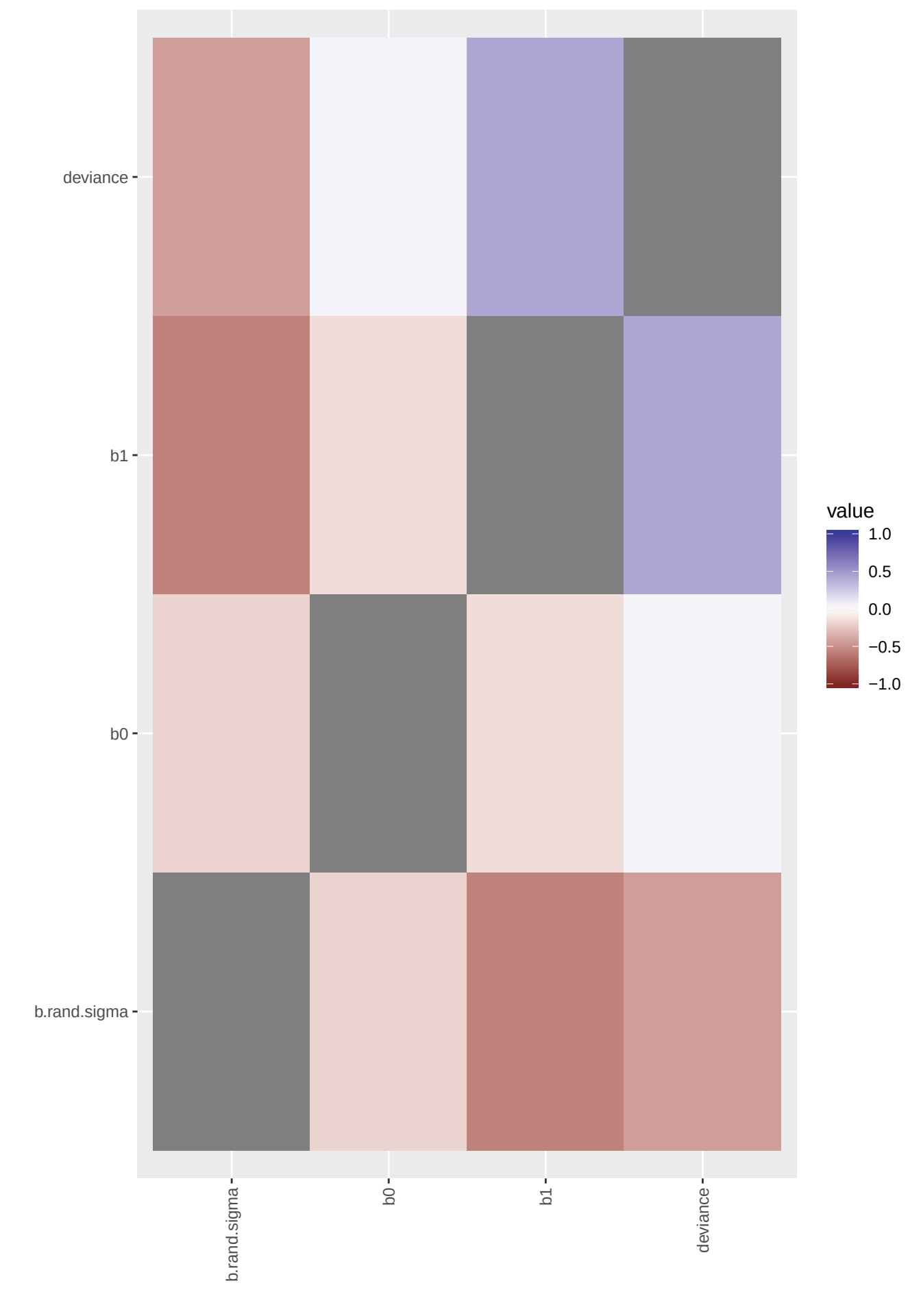

b.rand.sigma
b0
b1
deviance
density
value
Chain
1
2
3

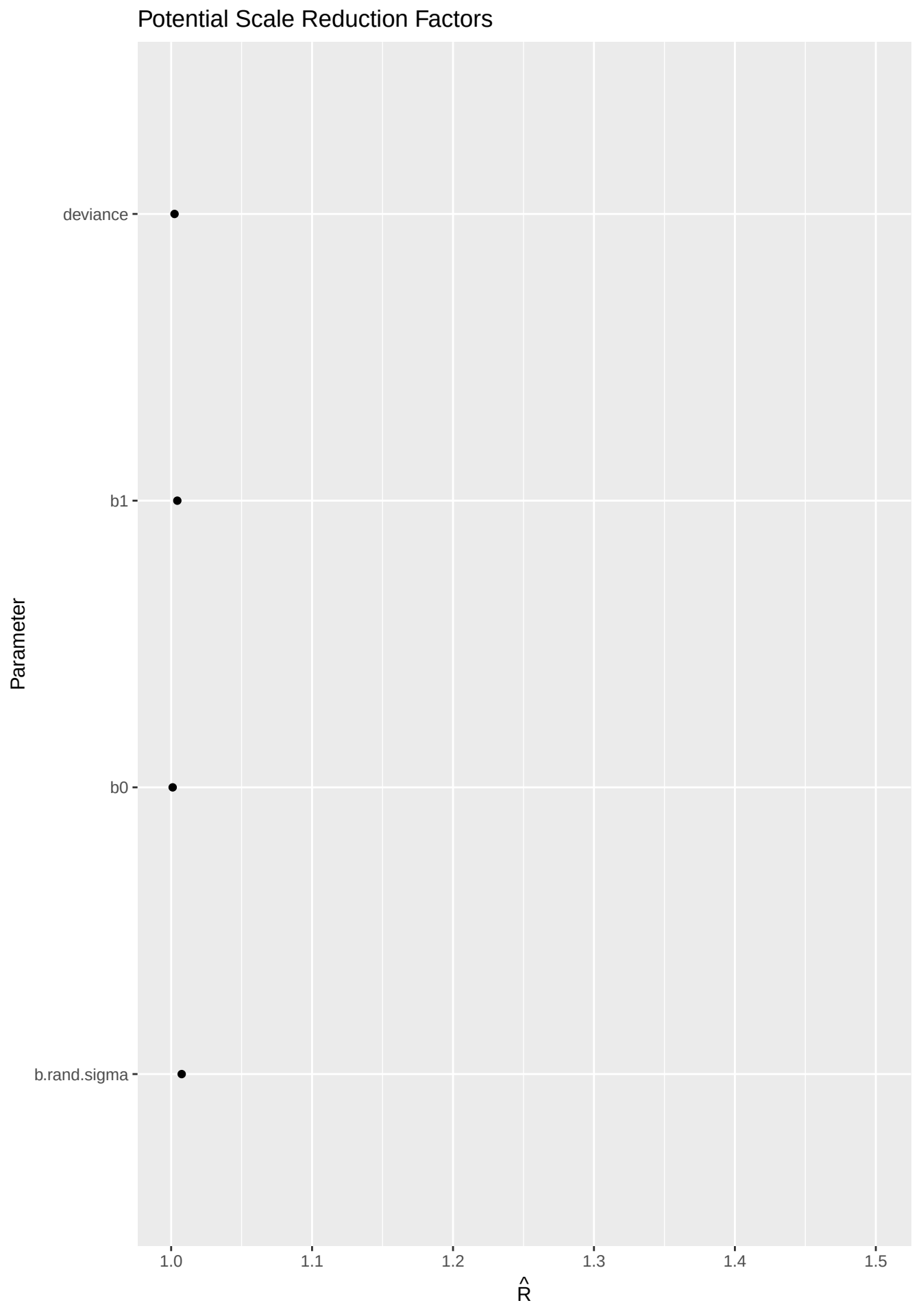

b.rand.sigma
b0
b1
deviance
value
Iteration
Chain
1
2
3
25000
30000
35000
40000
45000
50000

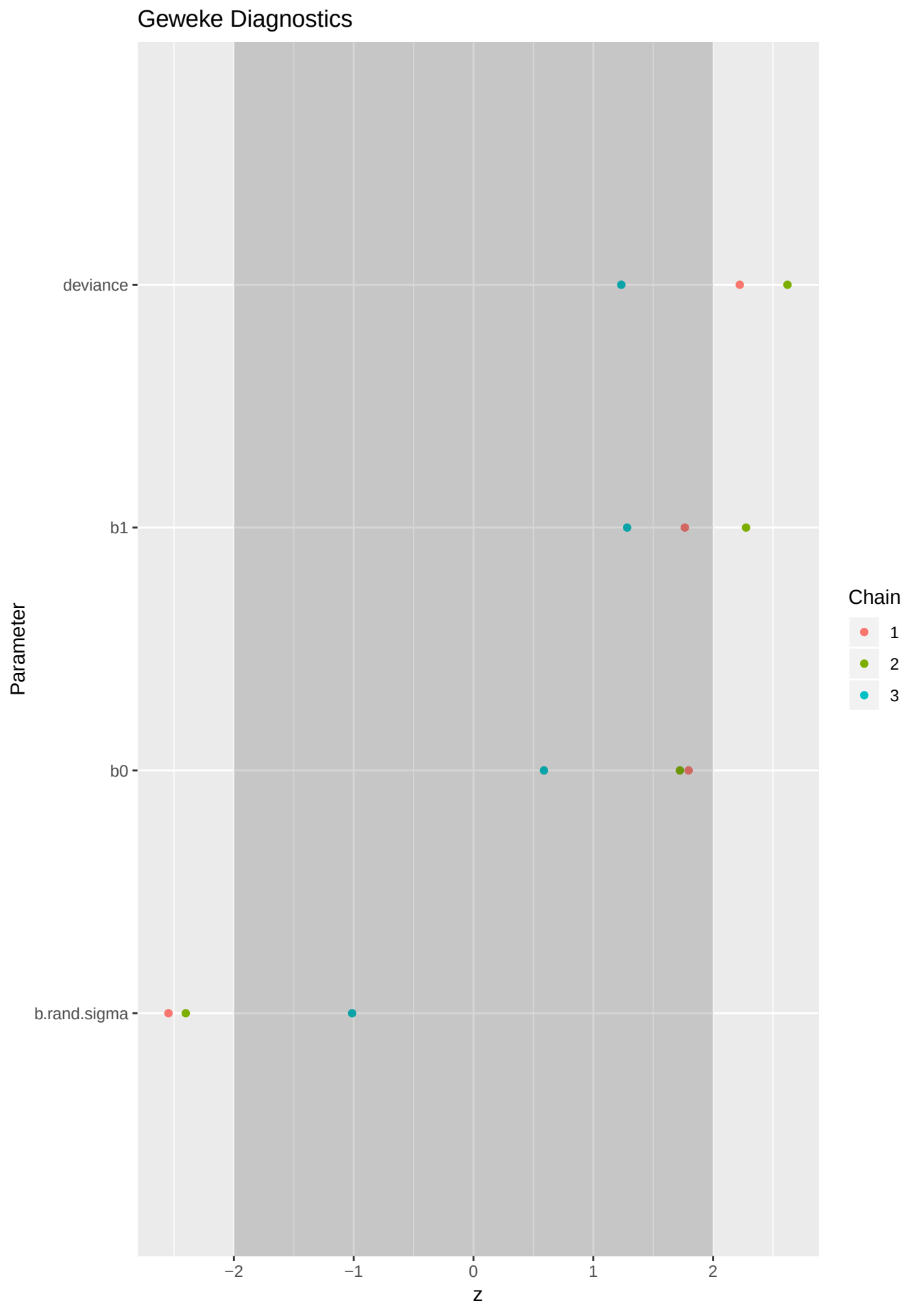

1
2
3
b.rand.sigma
b0
b1
deviance
Running Mean
Iteration
Chain
1
2
3
7.5
7.2
6.9
6.6
0.0
−0.2
−0.4
−0.6
−0.8
−6.0
−6.5
−7.0
1625
1600
1575
1550
25000
30000
35000
40000
45000
50000


b.rand.sigma
1
b.rand.sigma
2
b.rand.sigma
3
b0
1
b0
2
b0
3
b1
1
b1
2
b1
3
deviance
1
deviance
2
deviance
3
density
value
Chain length
Complete
Partial


1
2
3
b.rand.sigma
b0
b1
deviance
Autocorrelation
Lag
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50
Chain
1
2
3


deviance
b1
b0
b.rand.sigma
b.rand.sigma
b0
b1
deviance
value
1.0
0.5
0.0
−0.5
−1.0


Potential Scale Reduction Factors
deviance
b1
b0
b.rand.sigma
Parameter
1.0
1.1
1.2
1.3
1.4
1.5
R̂


Geweke Diagnostics
deviance
b1
b0
b.rand.sigma
Parameter
−2
−1
0
1
2
z
Chain
1
2
3