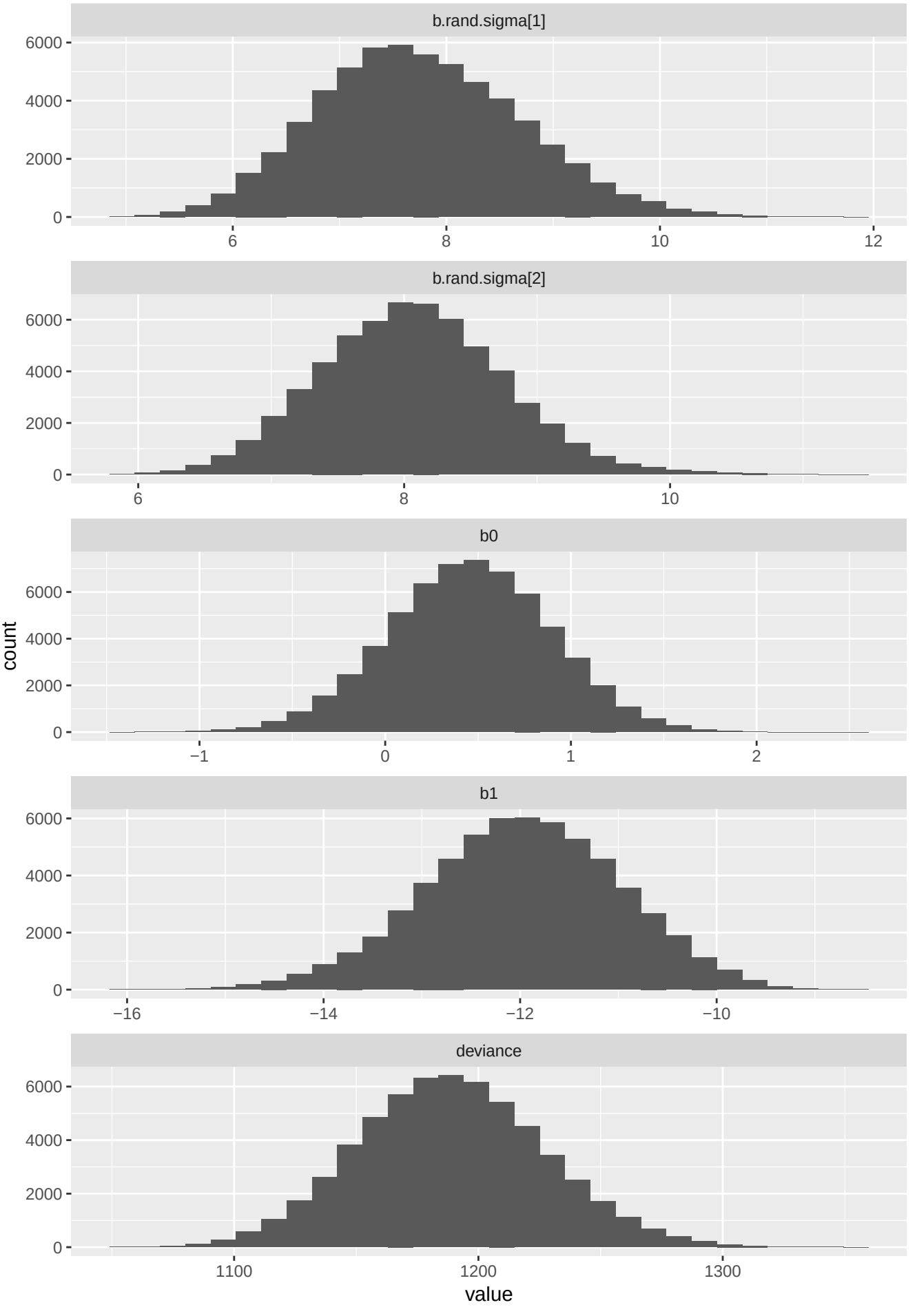
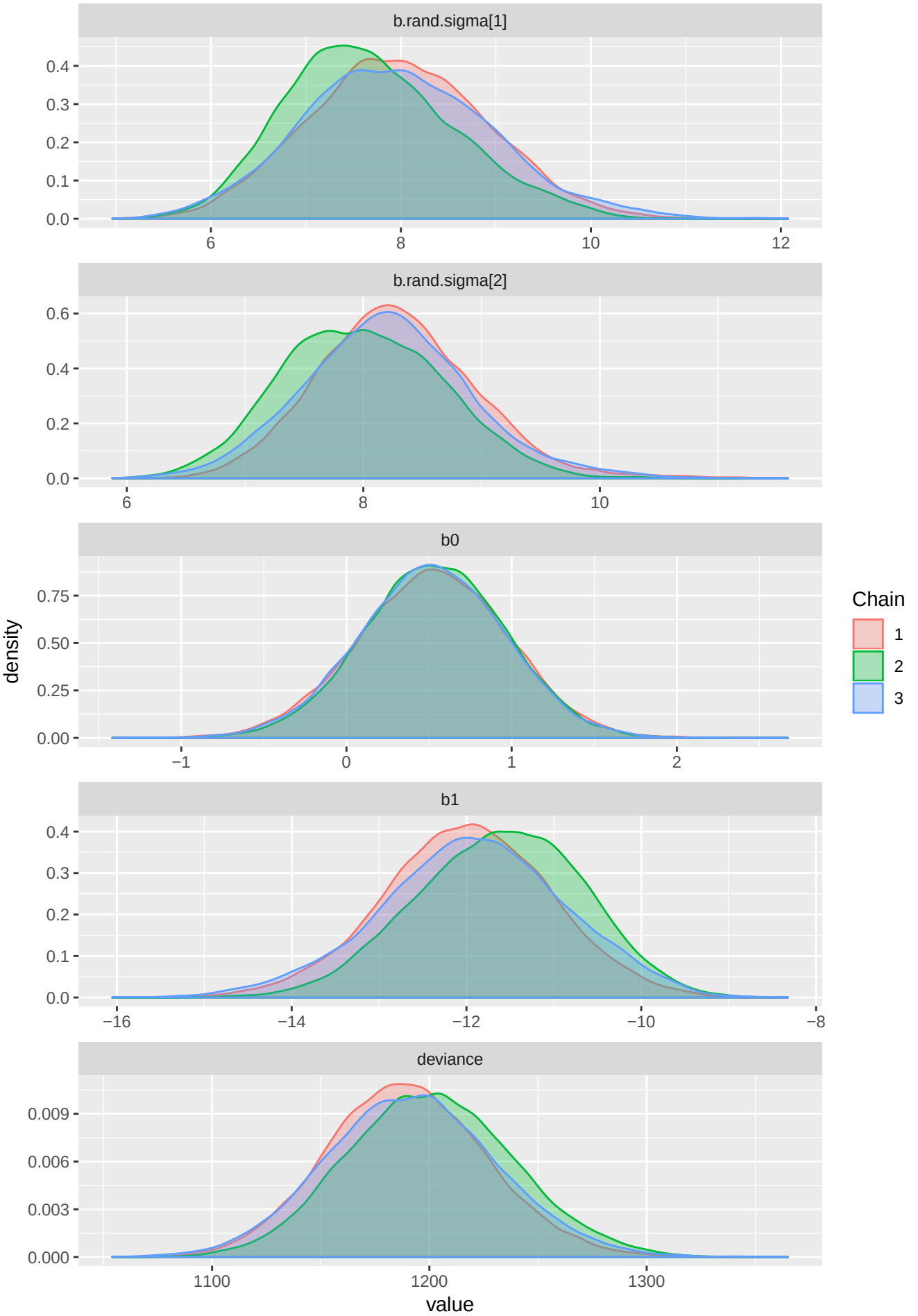
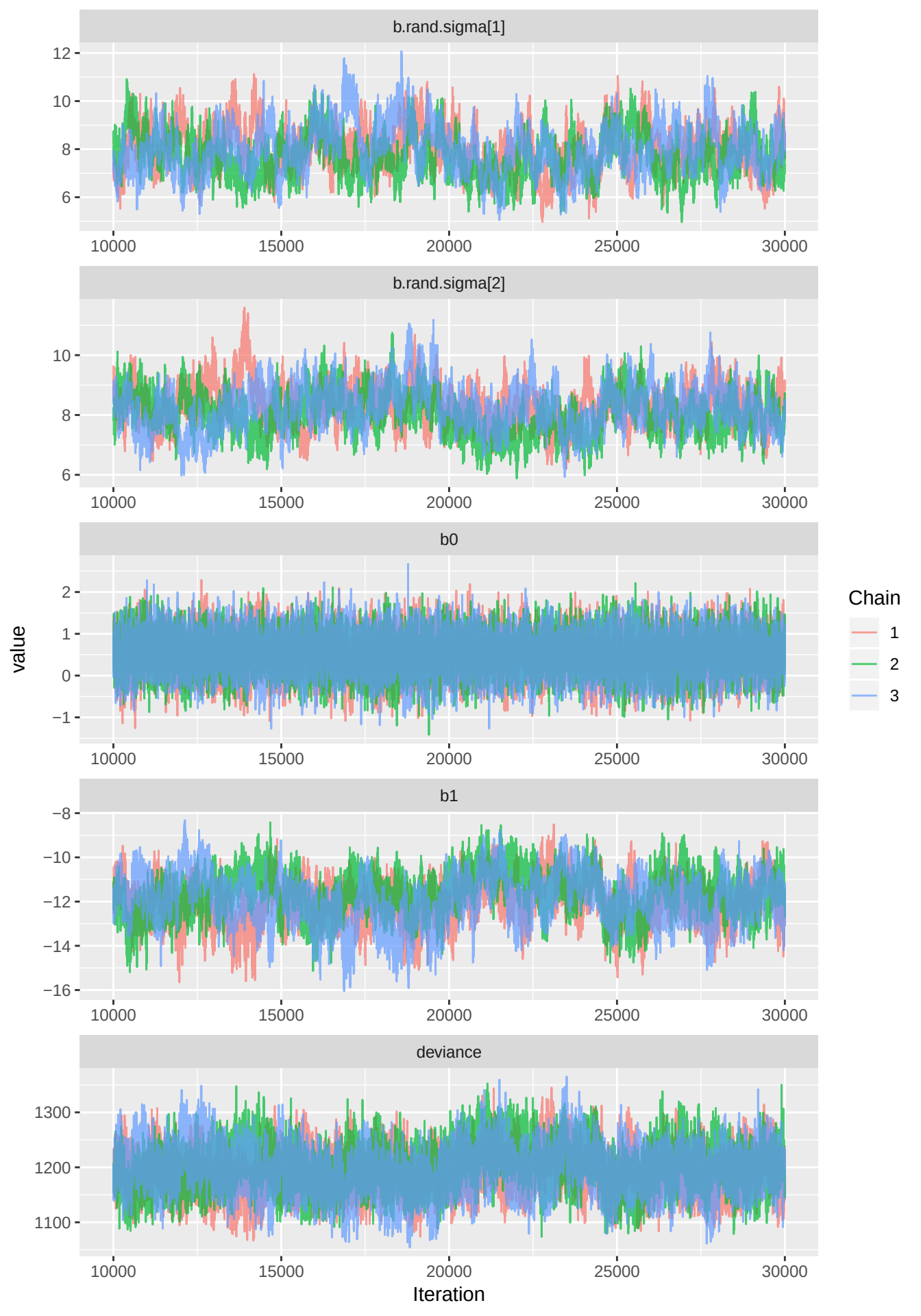
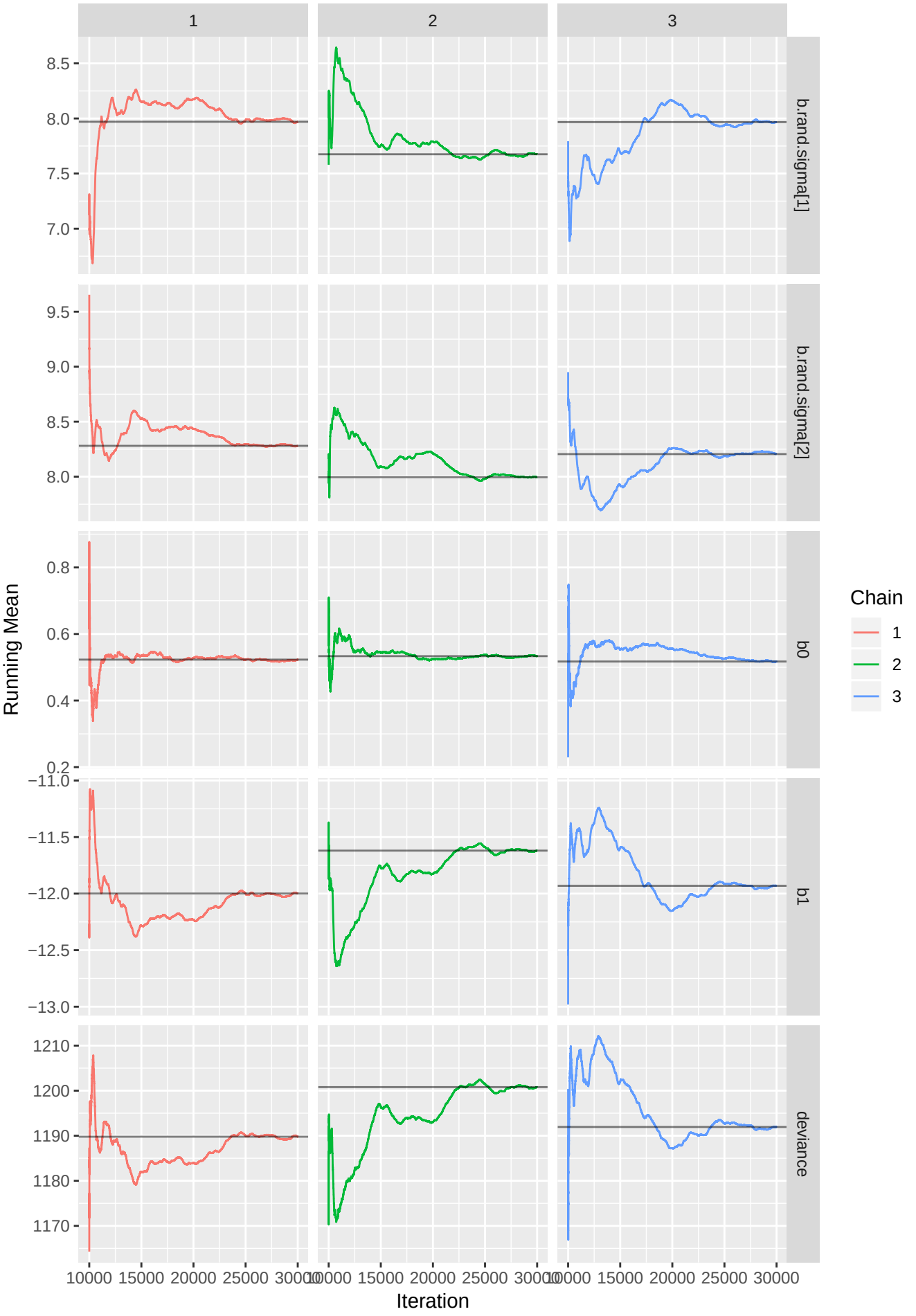
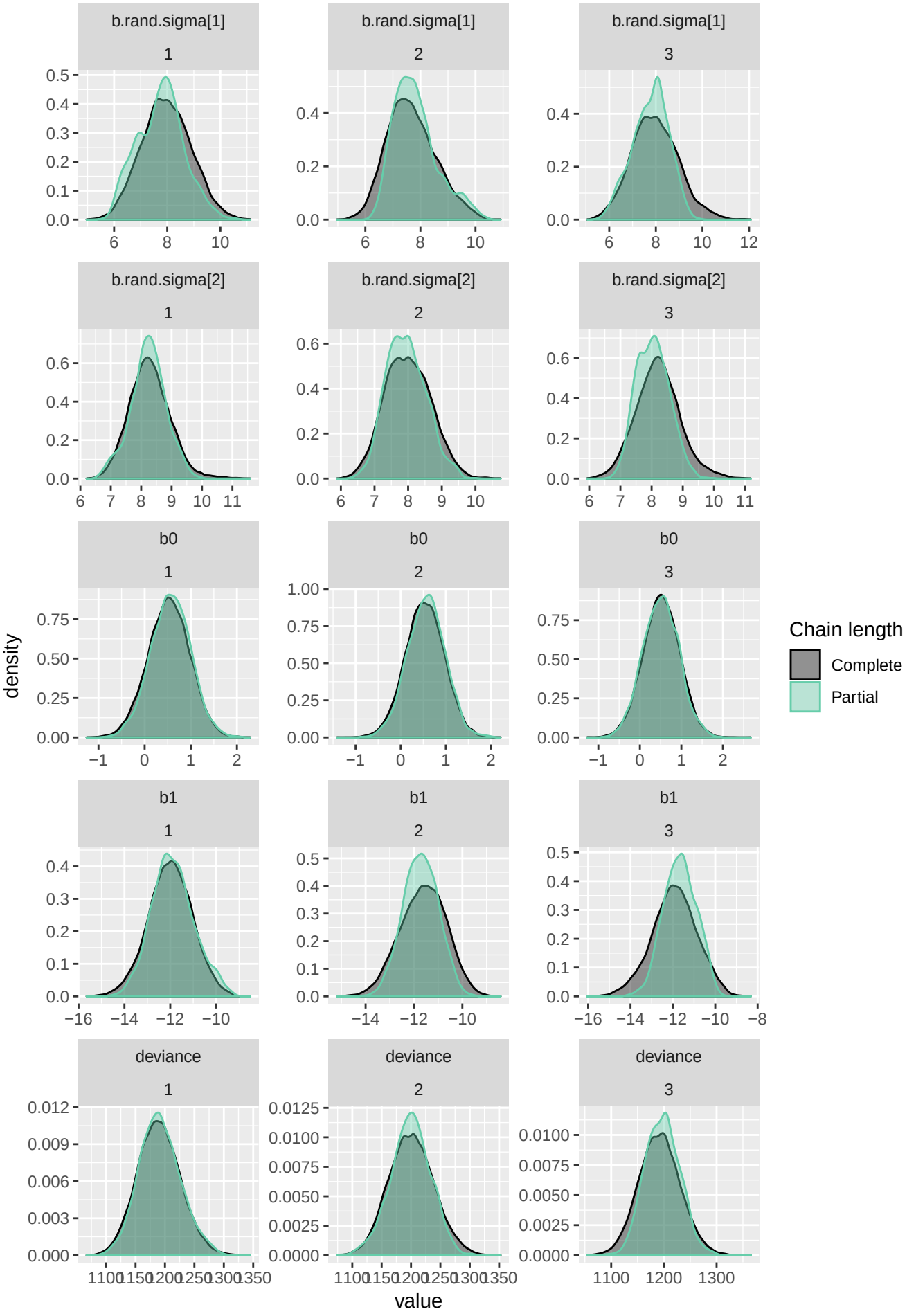
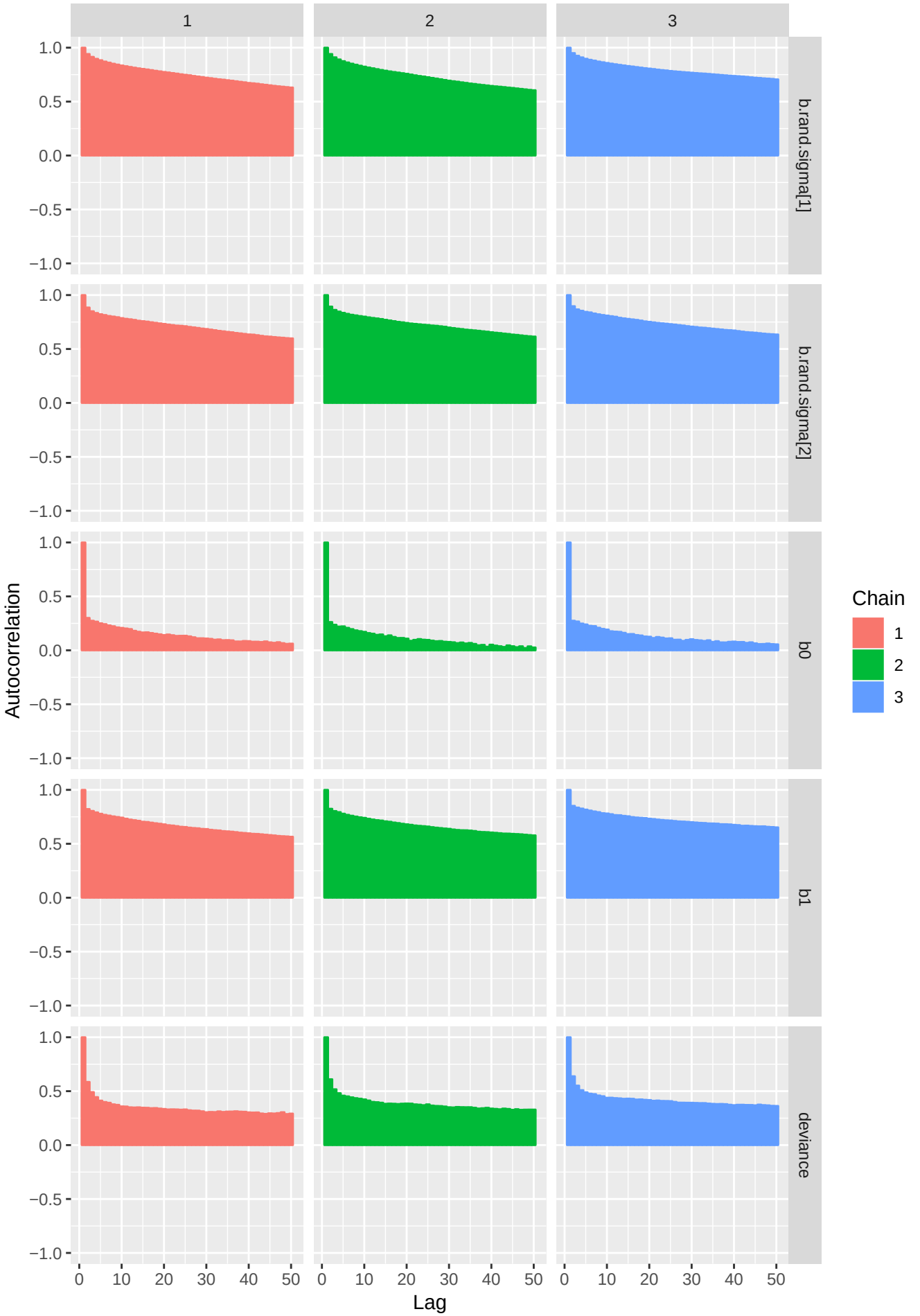

b.rand.sigma[1]
b.rand.sigma[2]
b0
b1
deviance
count
value
0
2000
4000
6000
6
8
10
12
−1
0
1
2
−16
−14
−12
−10
1100
1200
1300

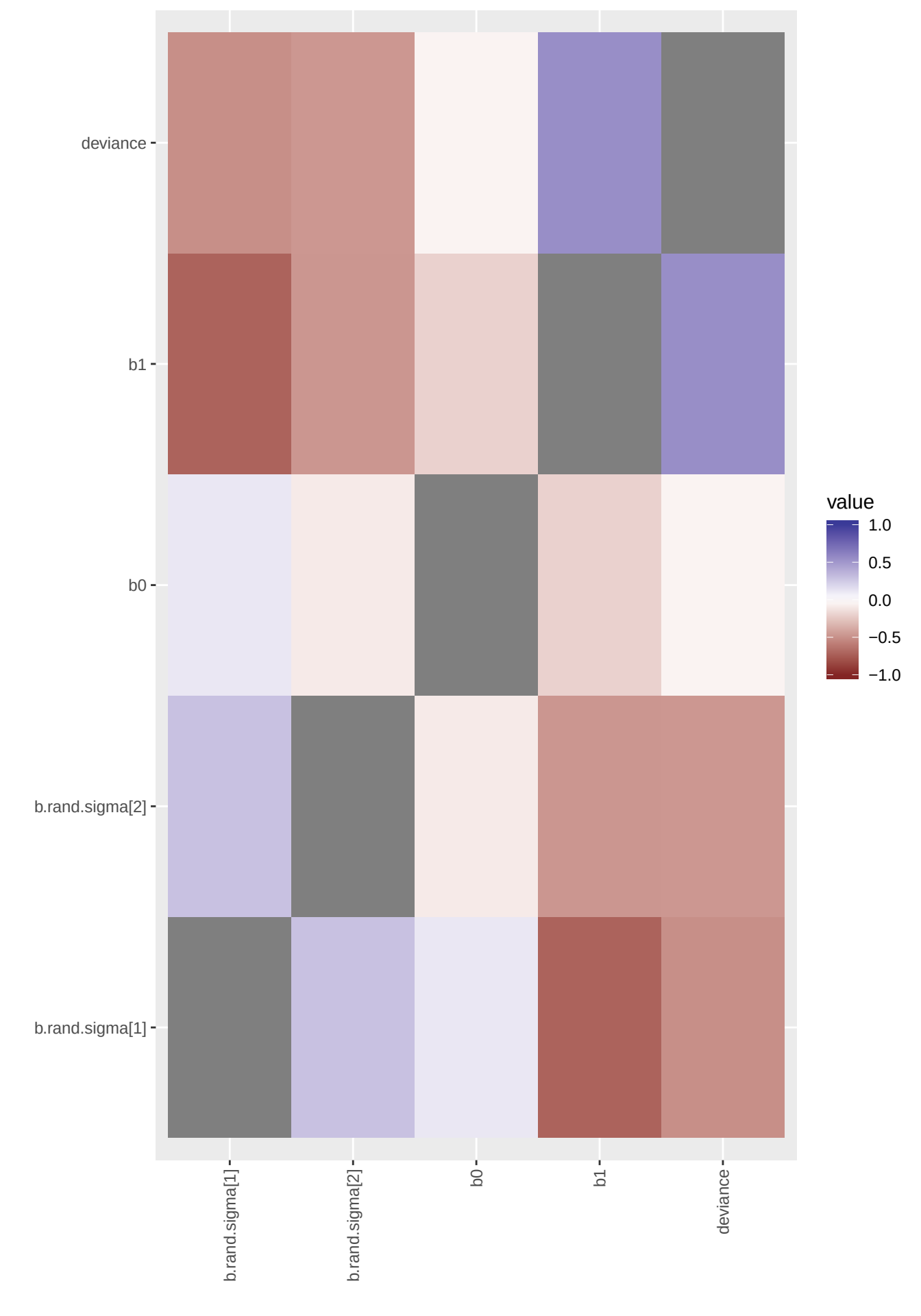

b.rand.sigma[1]
b.rand.sigma[2]
b0
b1
deviance
density
value
Chain
1
2
3

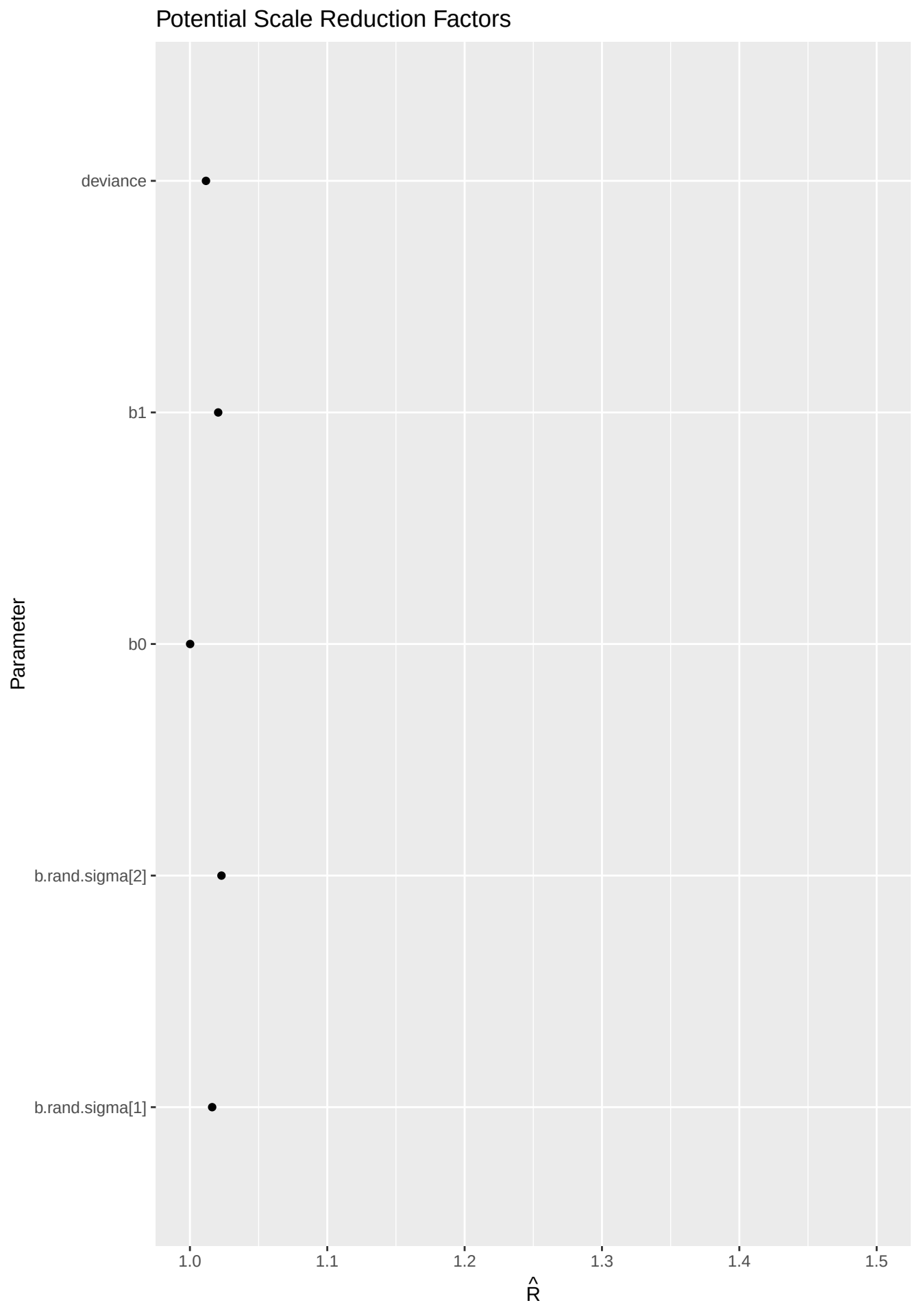

b.rand.sigma[1]
b.rand.sigma[2]
b0
b1
deviance
value
Iteration
Chain
1
2
3

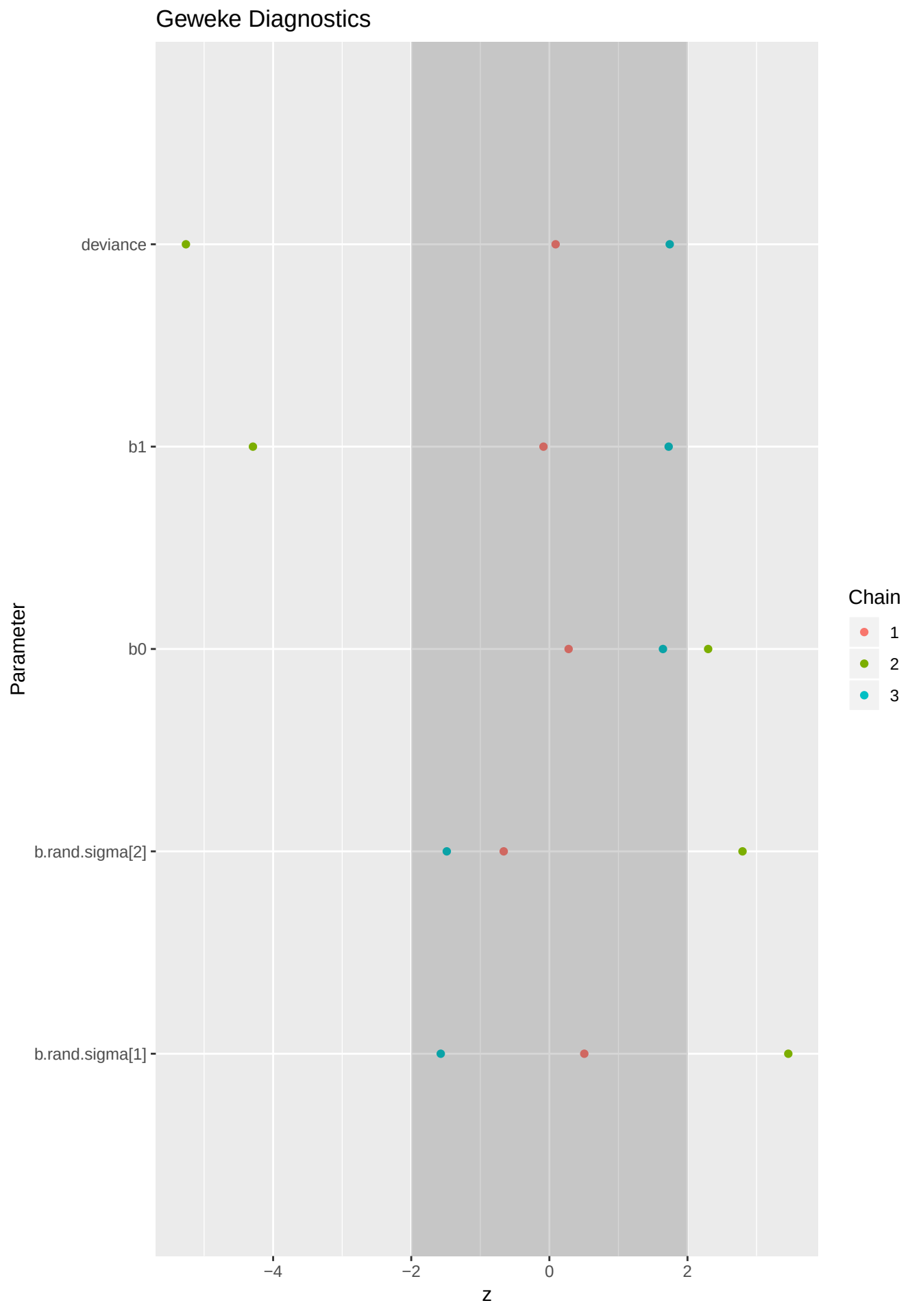

1
2
3
b.rand.sigma[1]
b.rand.sigma[2]
b0
b1
deviance
Running Mean
Iteration
Chain
1
2
3
8.5
8.0
7.5
7.0
9.5
9.0
8.5
8.0
0.8
0.6
0.4
0.2
−11.0
−11.5
−12.0
−12.5
−13.0
1210
1200
1190
1180
1170
10000 15000 20000 25000 30000

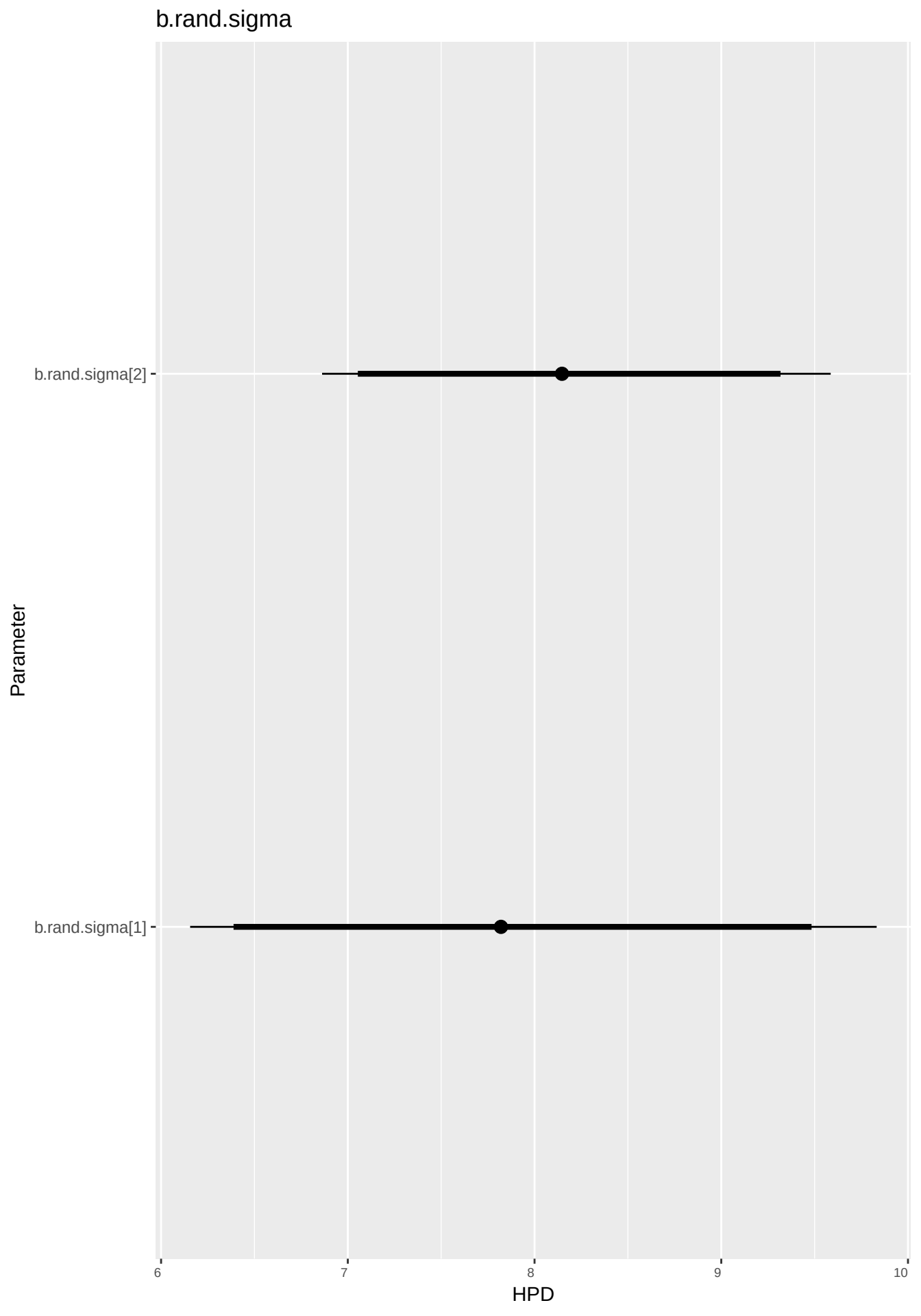

b.rand.sigma[1]
1
b.rand.sigma[1]
2
b.rand.sigma[1]
3
b.rand.sigma[2]
1
b.rand.sigma[2]
2
b.rand.sigma[2]
3
b0
1
b0
2
b0
3
b1
1
b1
2
b1
3
deviance
1
deviance
2
deviance
3
density
value
Chain length
Complete
Partial


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


deviance
b1
b0
b.rand.sigma[2]
b.rand.sigma[1]
b.rand.sigma[1]
b.rand.sigma[2]
b0
b1
deviance
value
1.0
0.5
0.0
−0.5
−1.0


Potential Scale Reduction Factors
deviance
b1
b0
b.rand.sigma[2]
b.rand.sigma[1]
Parameter
1.0
1.1
1.2
1.3
1.4
1.5
R̂


Geweke Diagnostics
deviance
b1
b0
b.rand.sigma[2]
b.rand.sigma[1]
Parameter
−4
−2
0
2
z
Chain
1
2
3


b.rand.sigma
b.rand.sigma[2]
b.rand.sigma[1]
Parameter
6
7
8
9
10
HPD