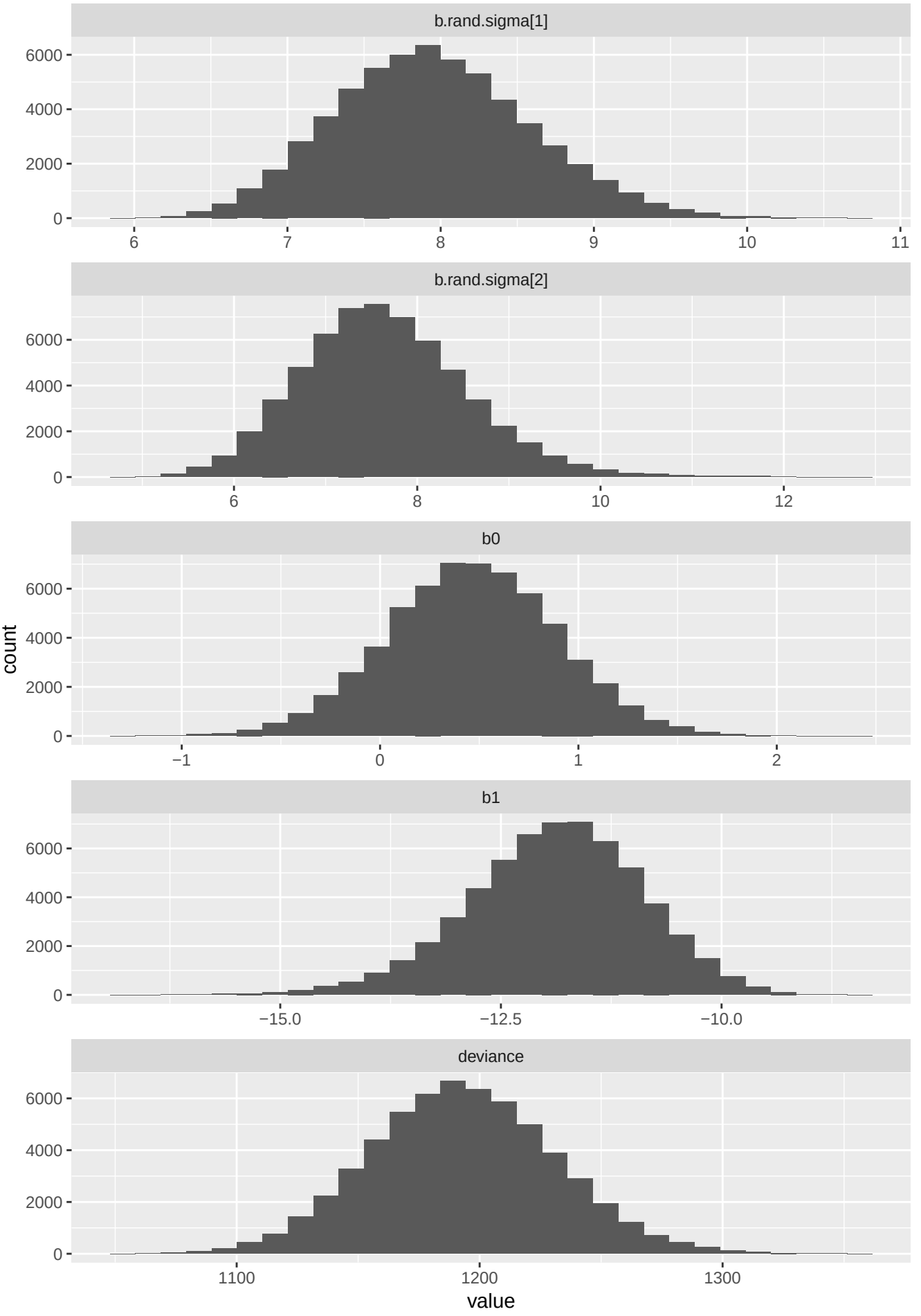
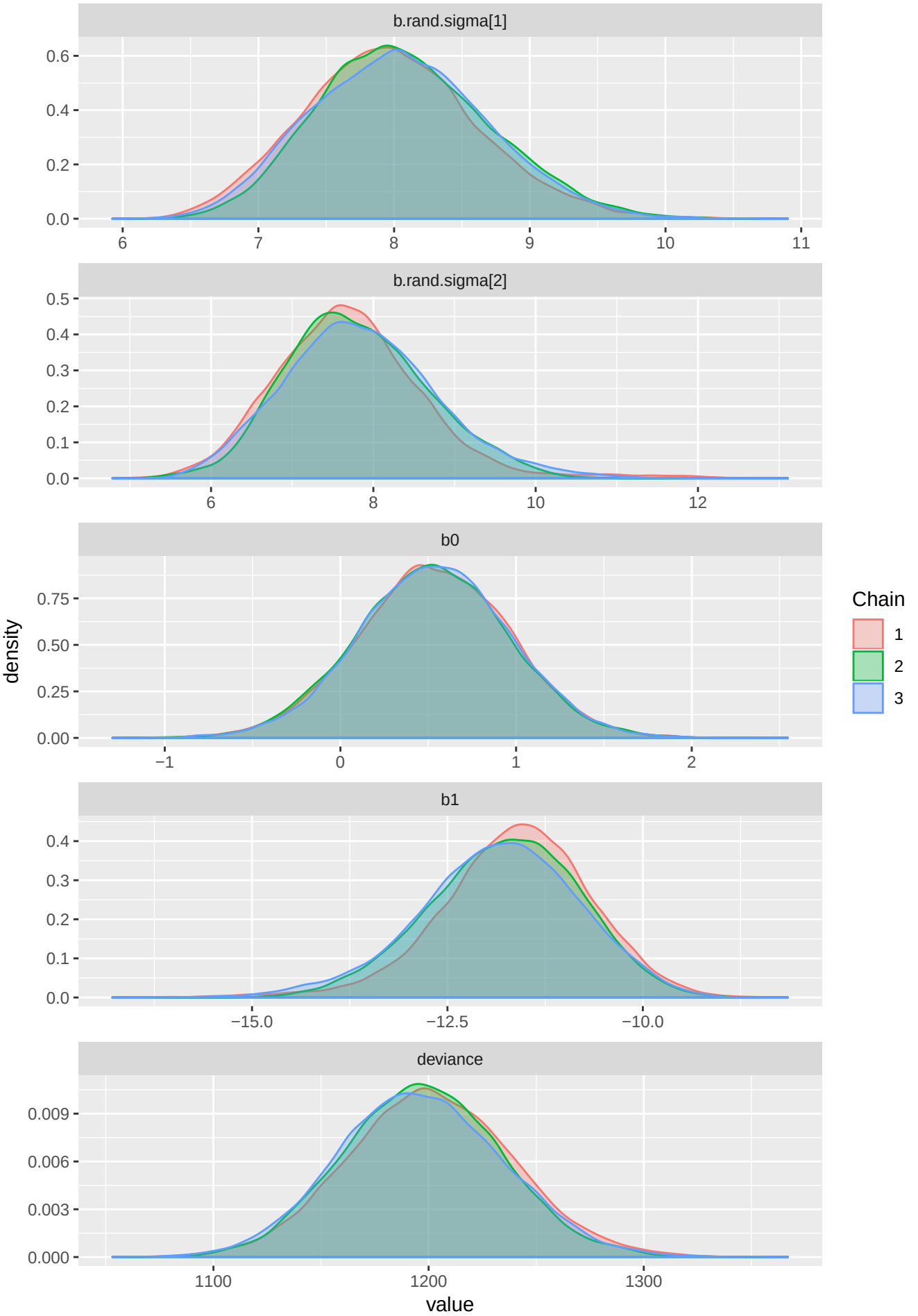
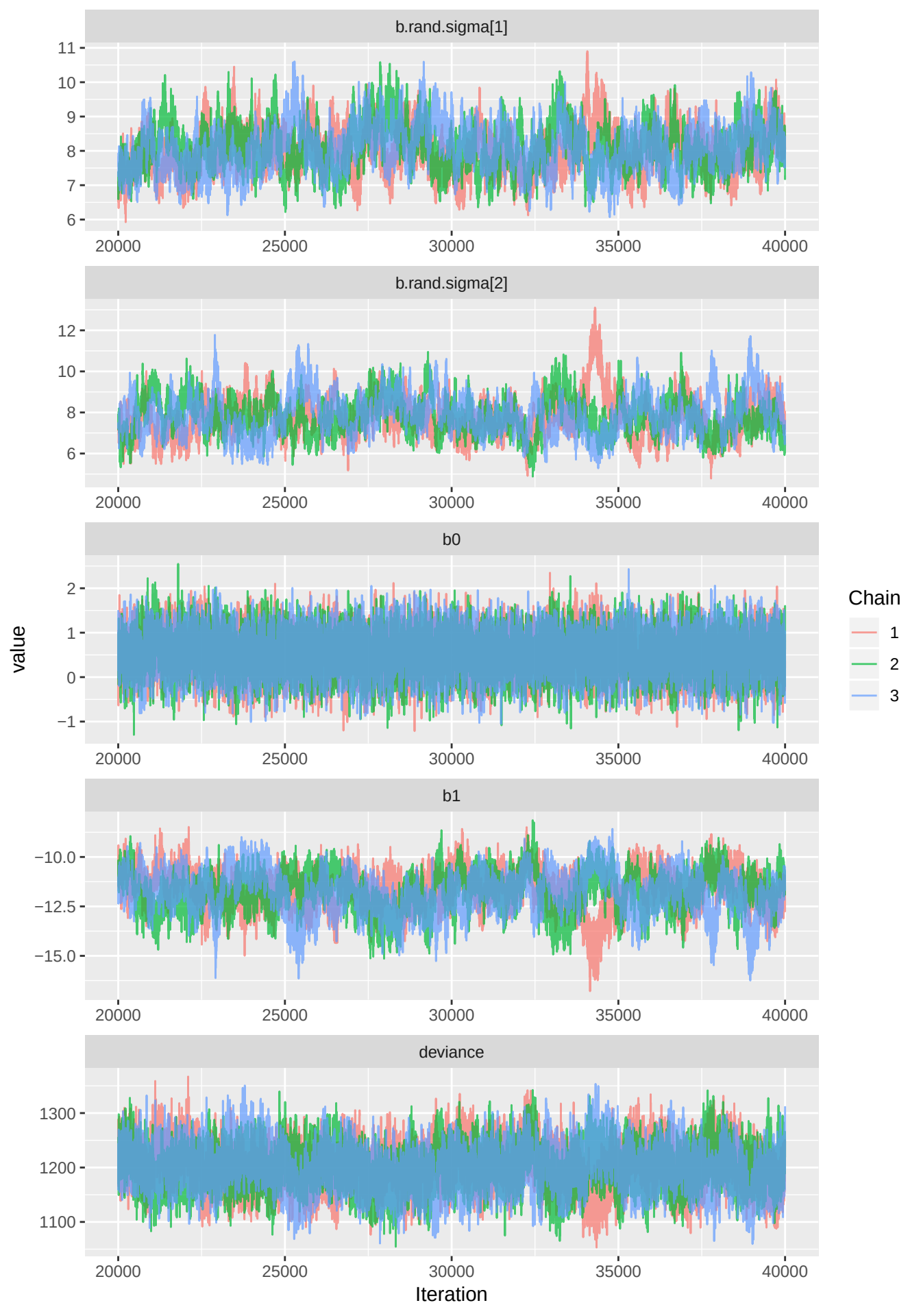
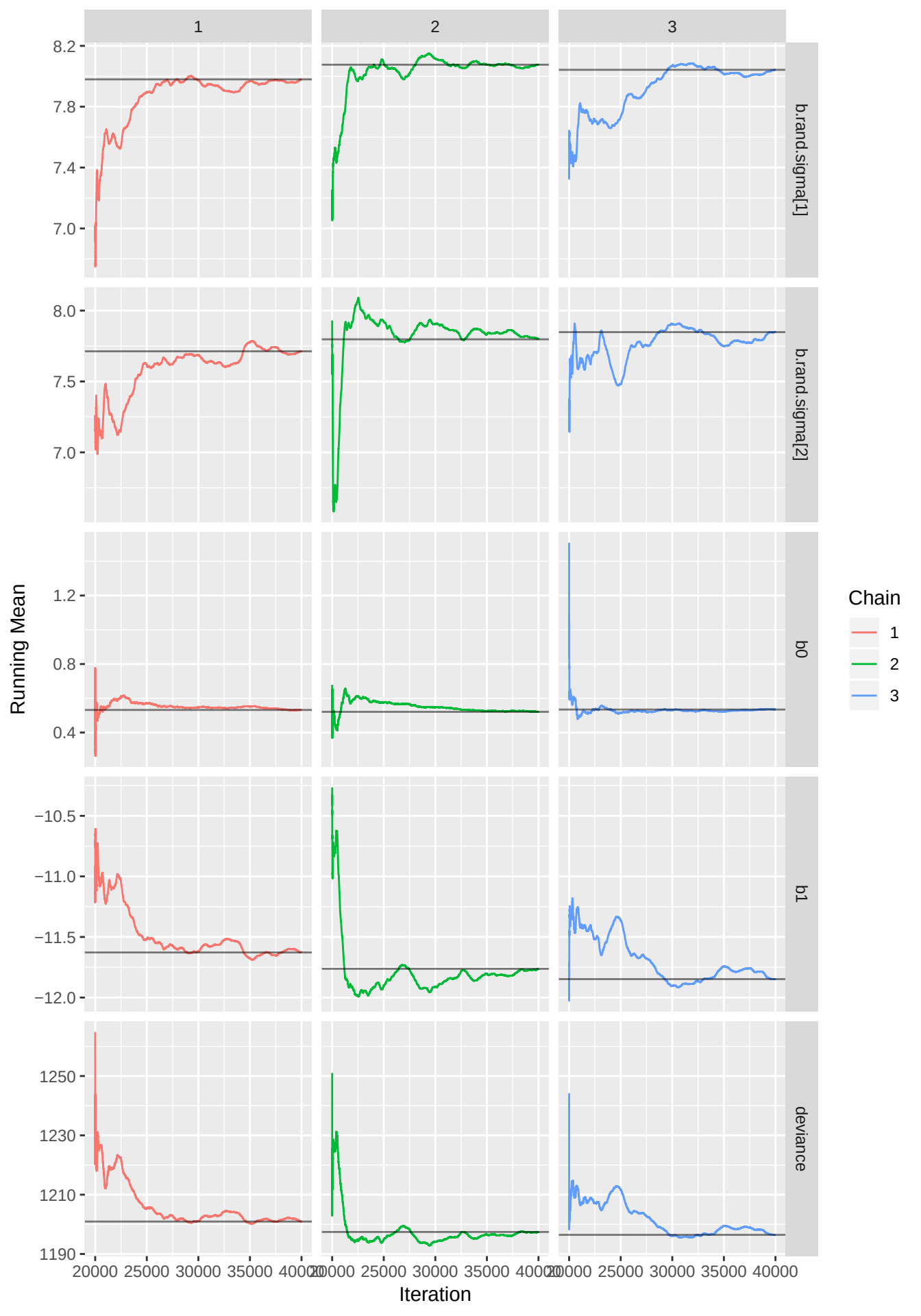
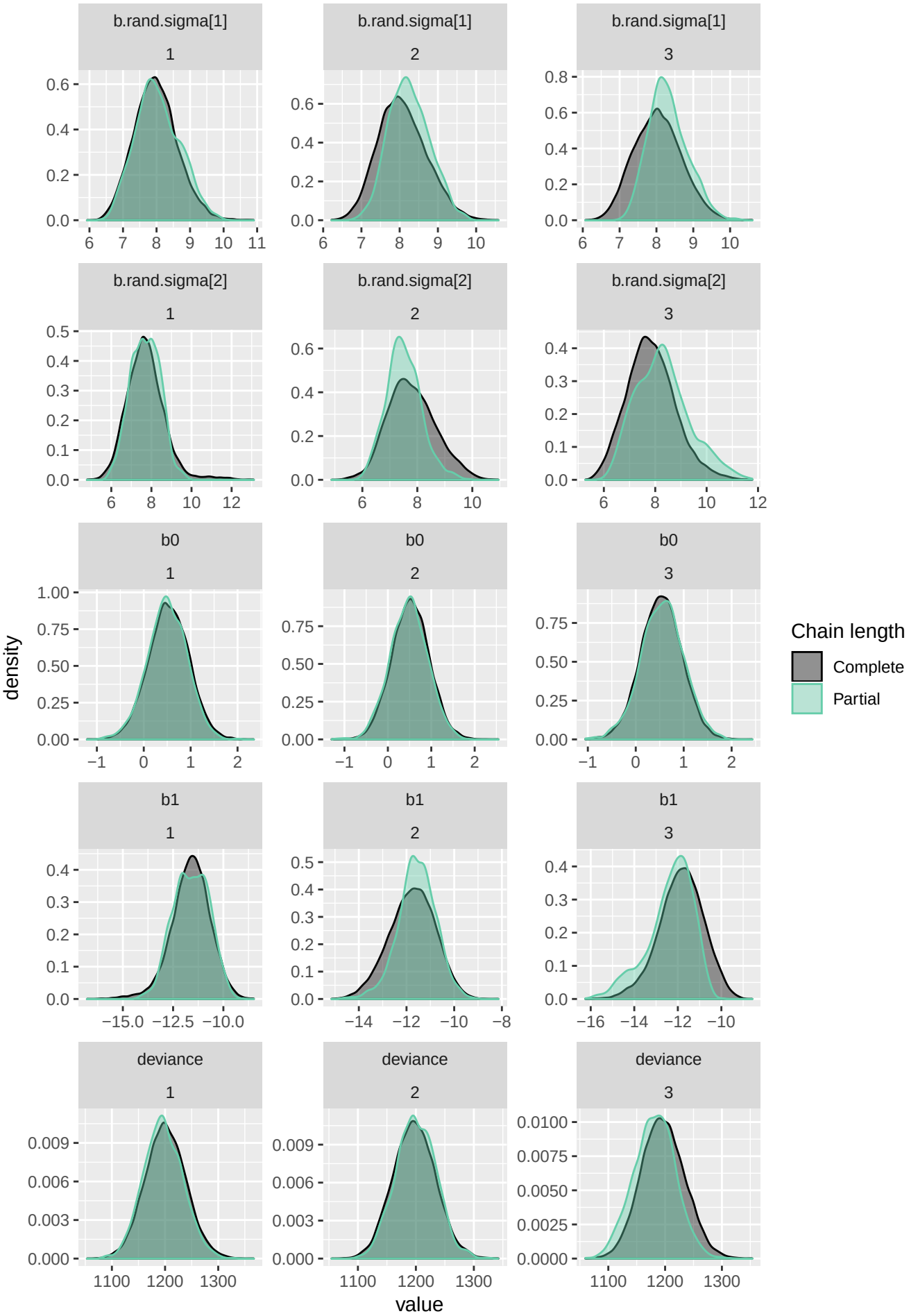
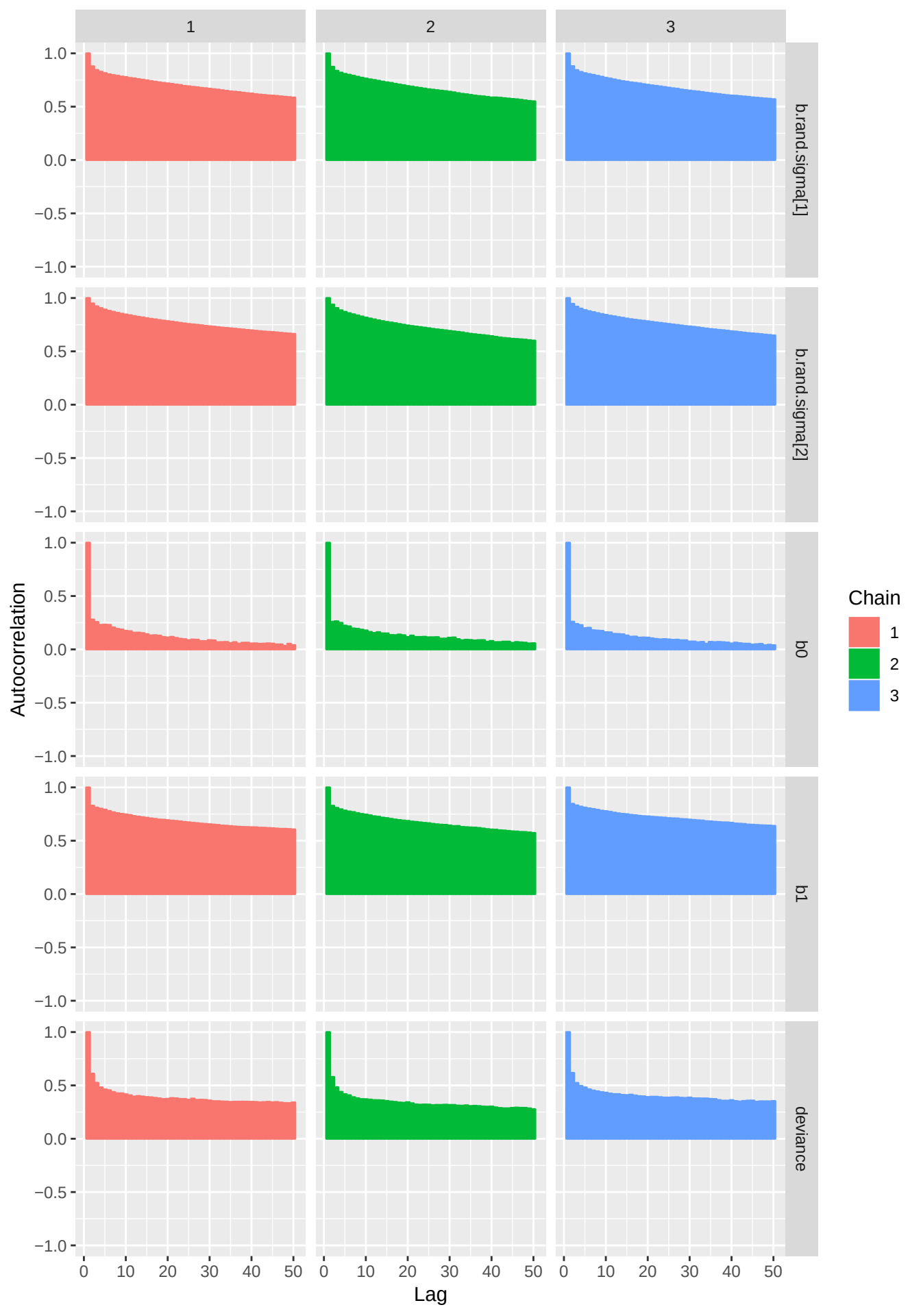

b.rand.sigma[1]
6000
4000
2000
0
6
7
8
9
10
11
b.rand.sigma[2]
6000
4000
2000
0
6
8
10
12
b0
6000
4000
2000
0
−1
0
1
2
count
b1
6000
4000
2000
0
−15.0
−12.5
−10.0
deviance
6000
4000
2000
0
1100
1200
1300
value

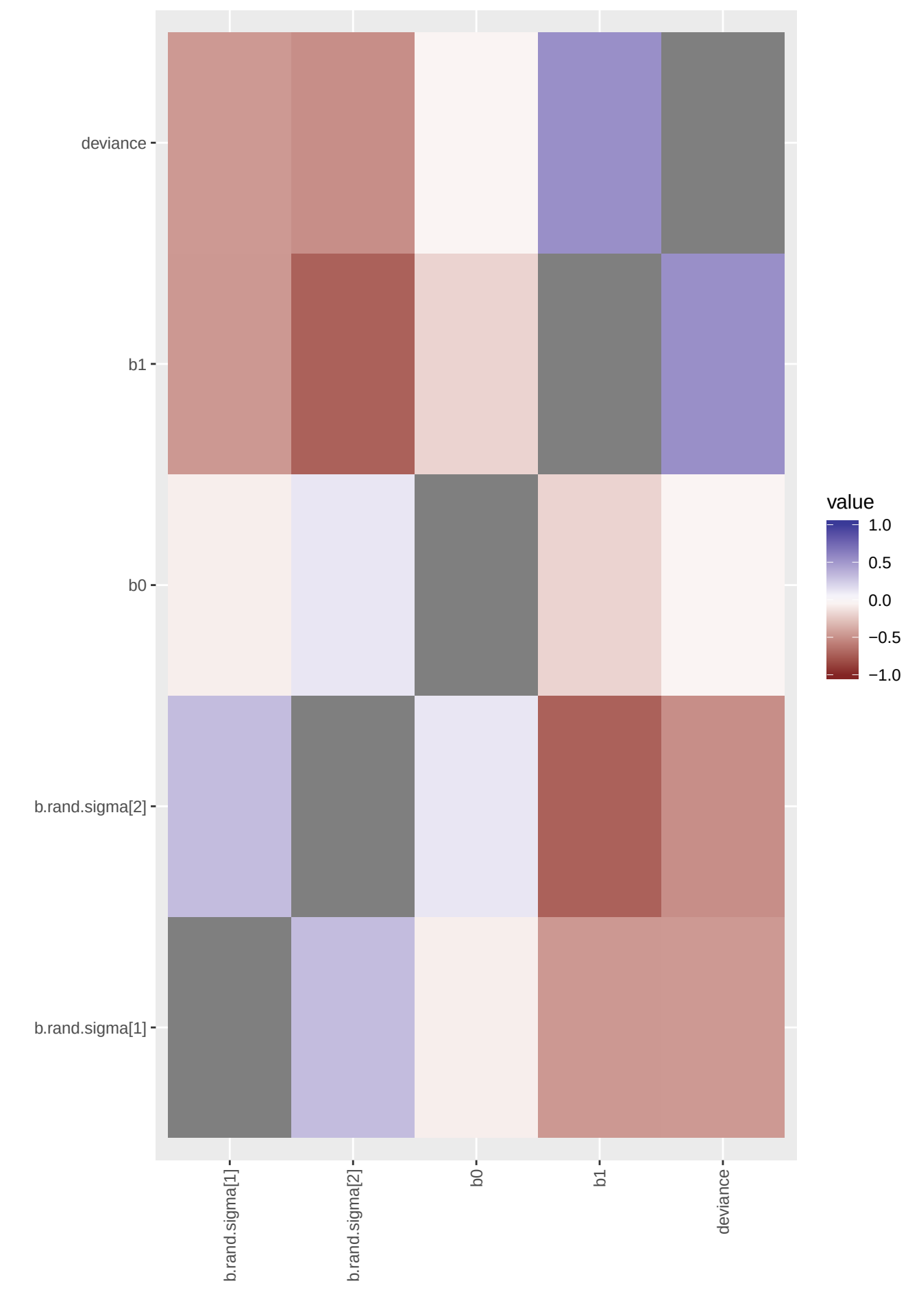

b.rand.sigma[1]
b.rand.sigma[2]
b0
b1
deviance
density
value
Chain
1
2
3

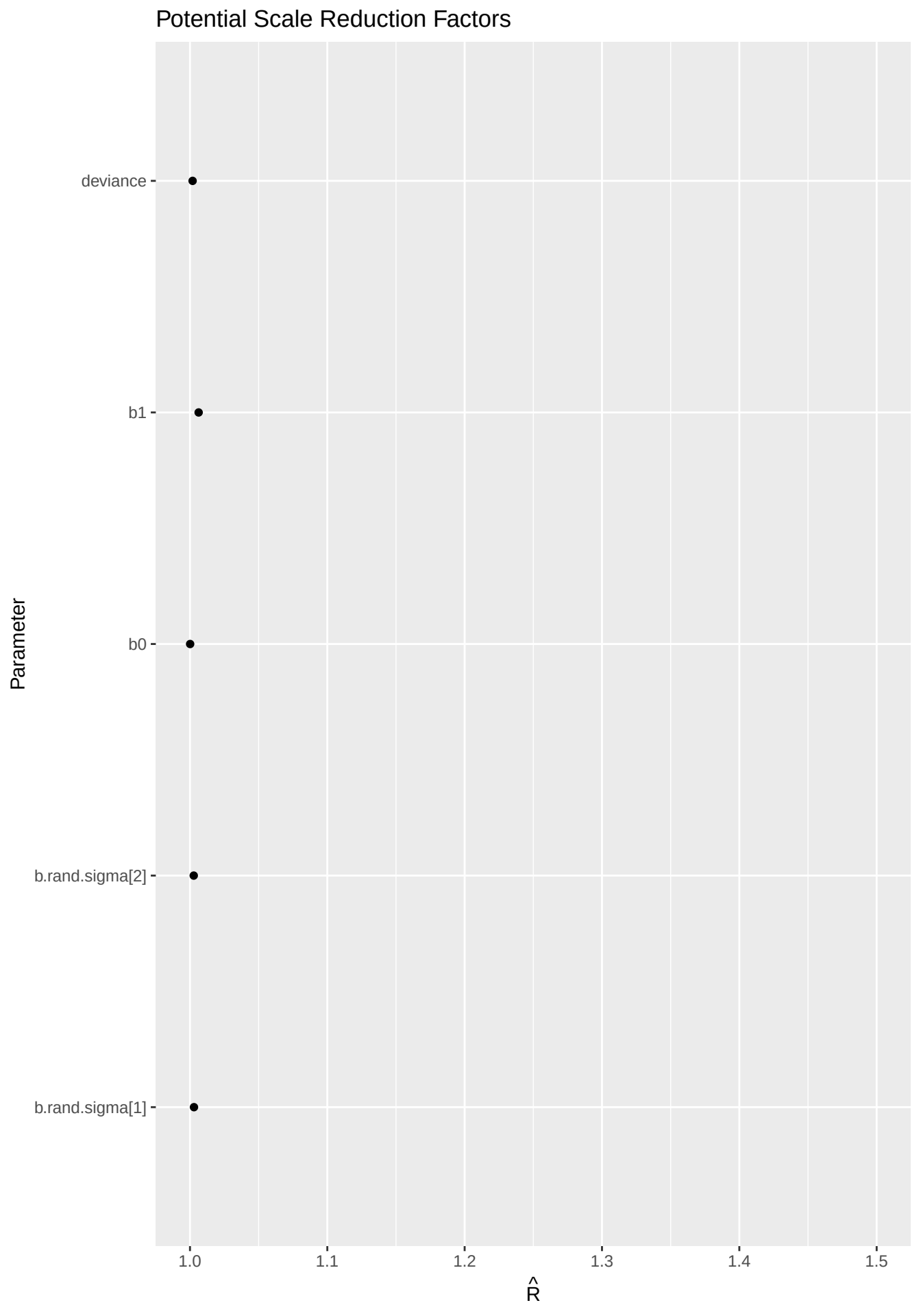

b.rand.sigma[1]
11
10
9
8
7
6
20000
25000
30000
35000
40000
b.rand.sigma[2]
12
10
8
6
20000
25000
30000
35000
40000
b0
2
1
0
−1
20000
25000
30000
35000
40000
b1
−10.0
−12.5
−15.0
20000
25000
30000
35000
40000
deviance
1300
1200
1100
20000
25000
30000
35000
40000
value
Iteration
Chain
1
2
3

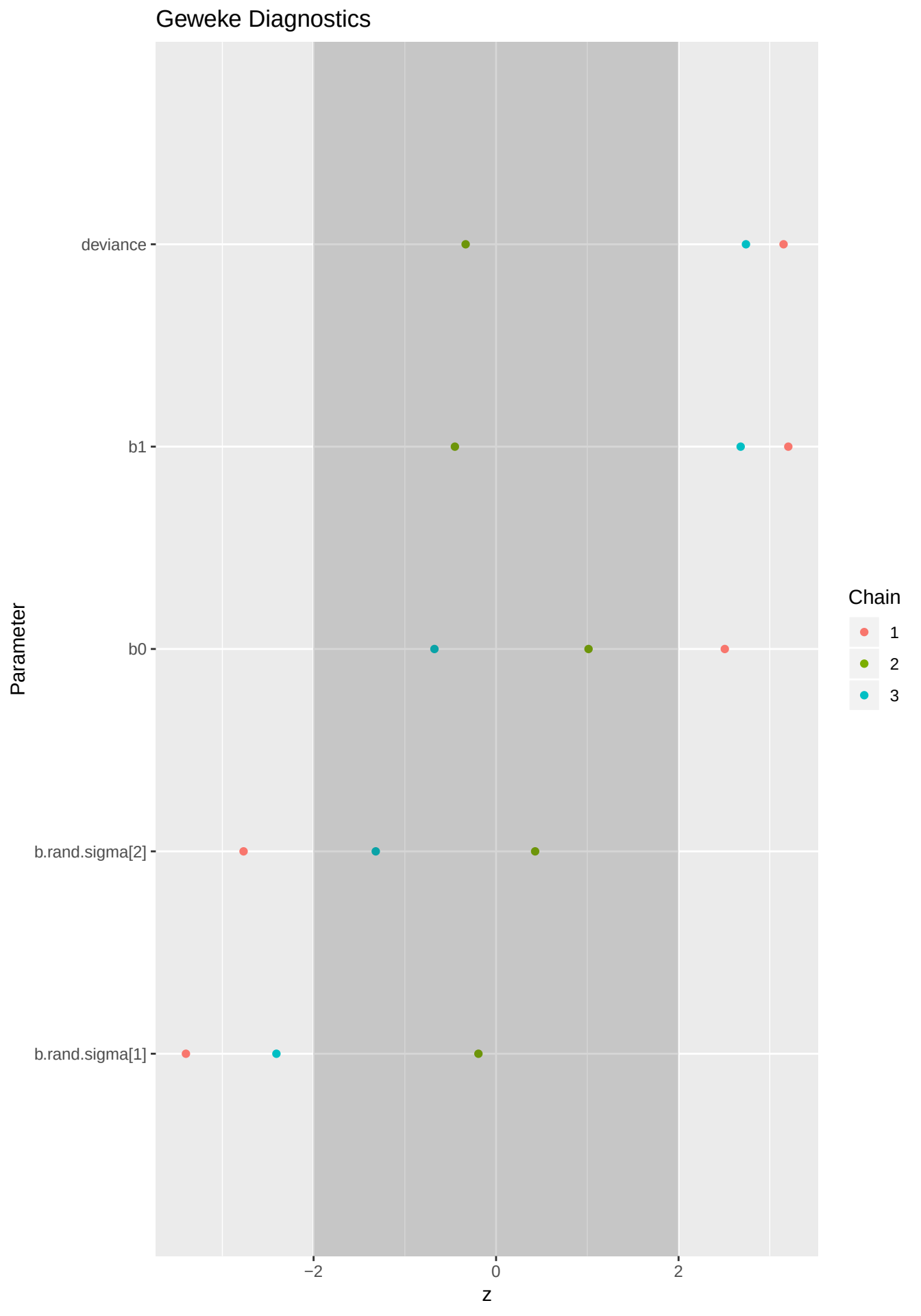

1
2
3
b.rand.sigma[1]
b.rand.sigma[2]
b0
b1
deviance
Running Mean
Iteration
Chain
1
2
3
8.2
7.8
7.4
7.0
8.0
7.5
7.0
1.2
0.8
0.4
−10.5
−11.0
−11.5
−12.0
1250
1230
1210
1190
20000 25000 30000 35000 40000

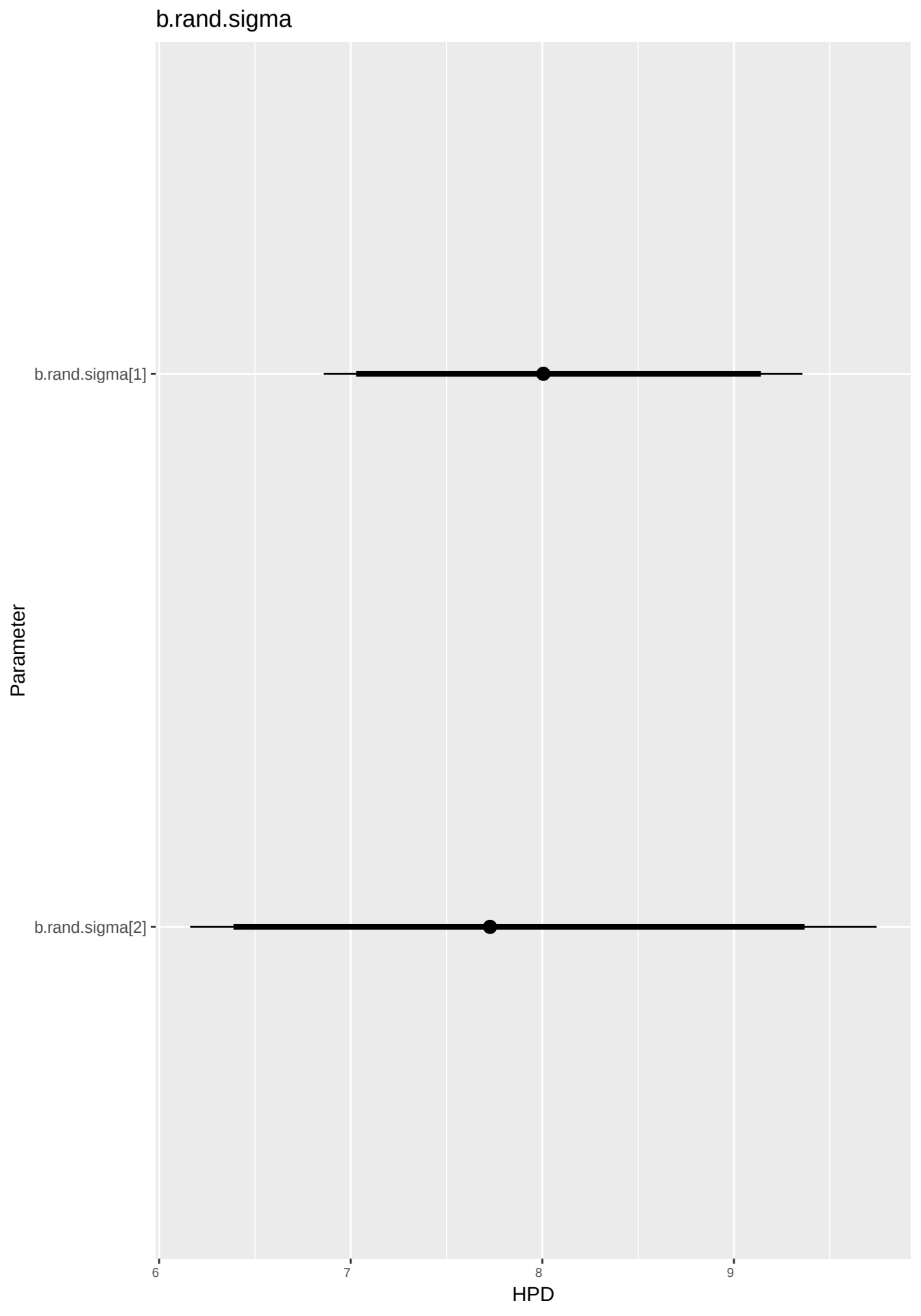

b.rand.sigma[1]
1
b.rand.sigma[1]
2
b.rand.sigma[1]
3
b.rand.sigma[2]
1
b.rand.sigma[2]
2
b.rand.sigma[2]
3
b0
1
b0
2
b0
3
b1
1
b1
2
b1
3
deviance
1
deviance
2
deviance
3
density
value
Chain length
Complete
Partial


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


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
−2
0
2
z
Chain
1
2
3


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