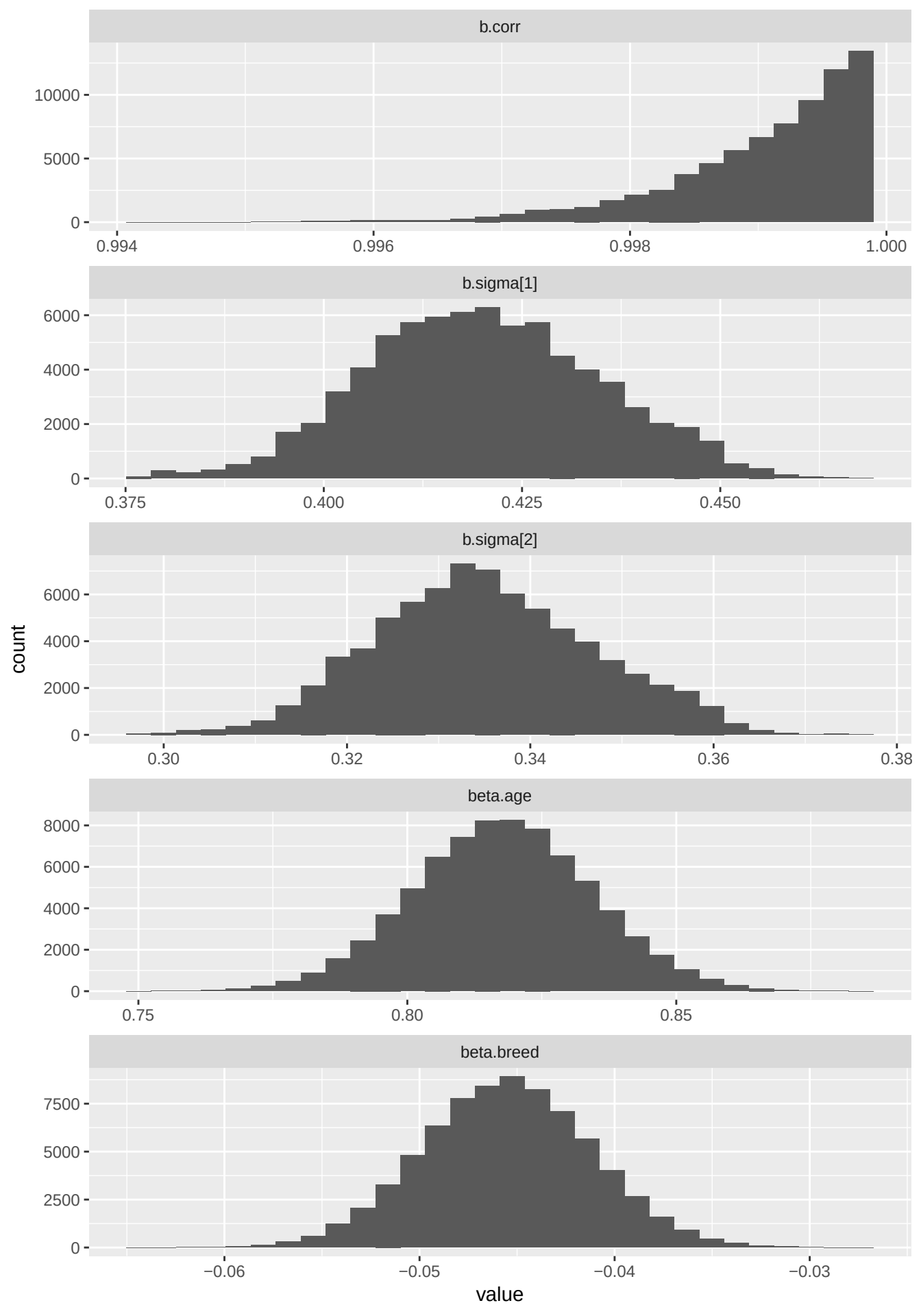
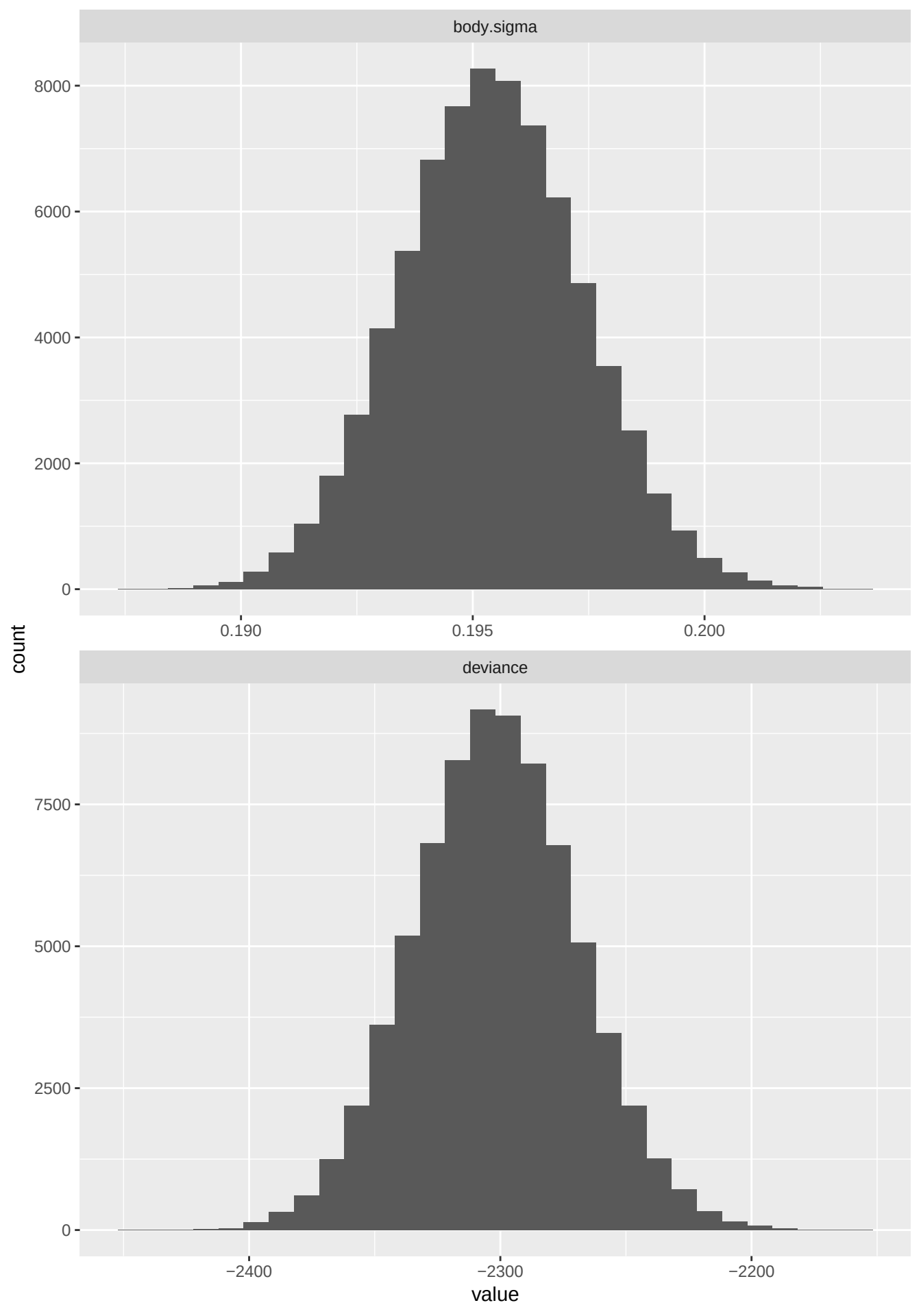
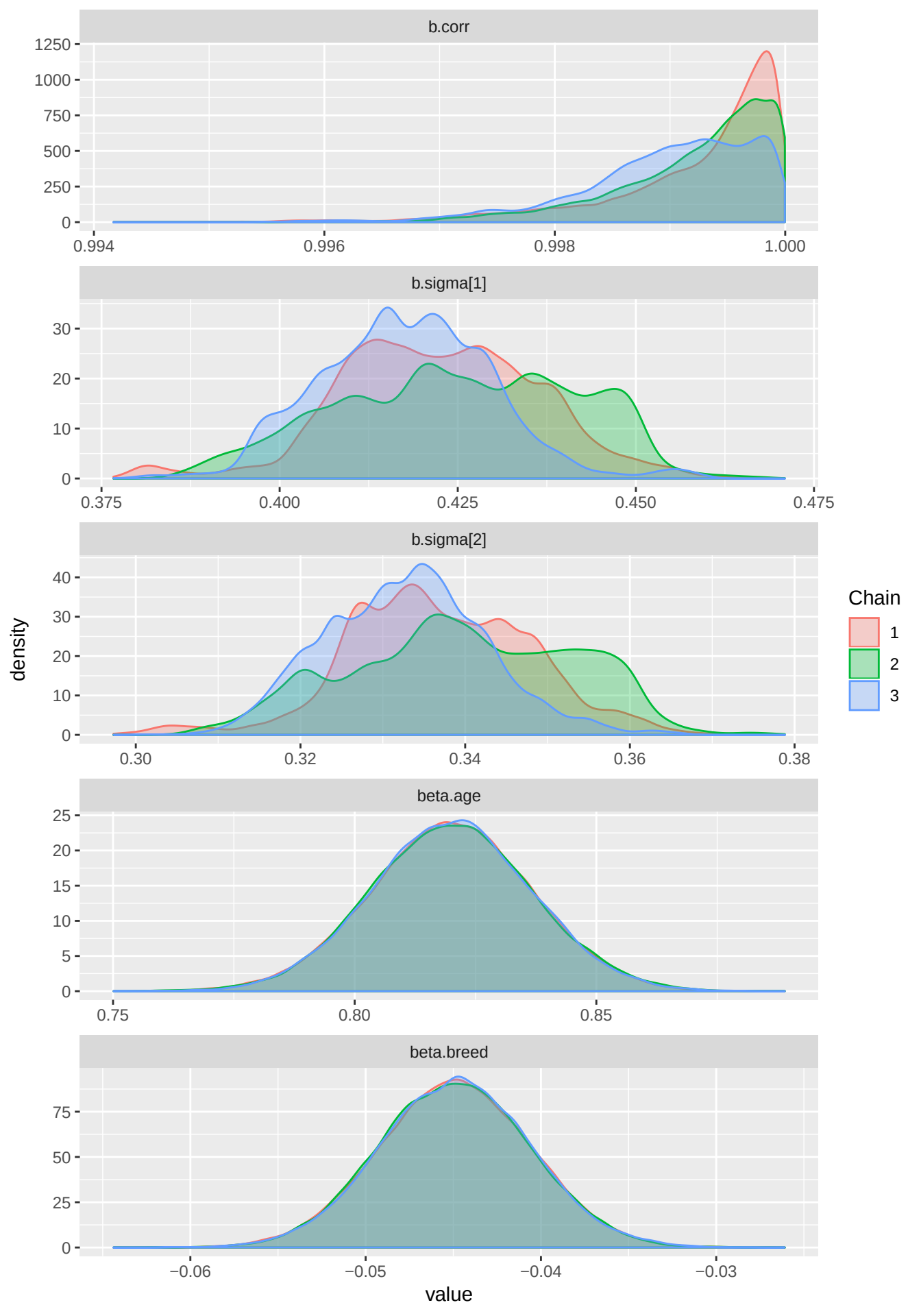
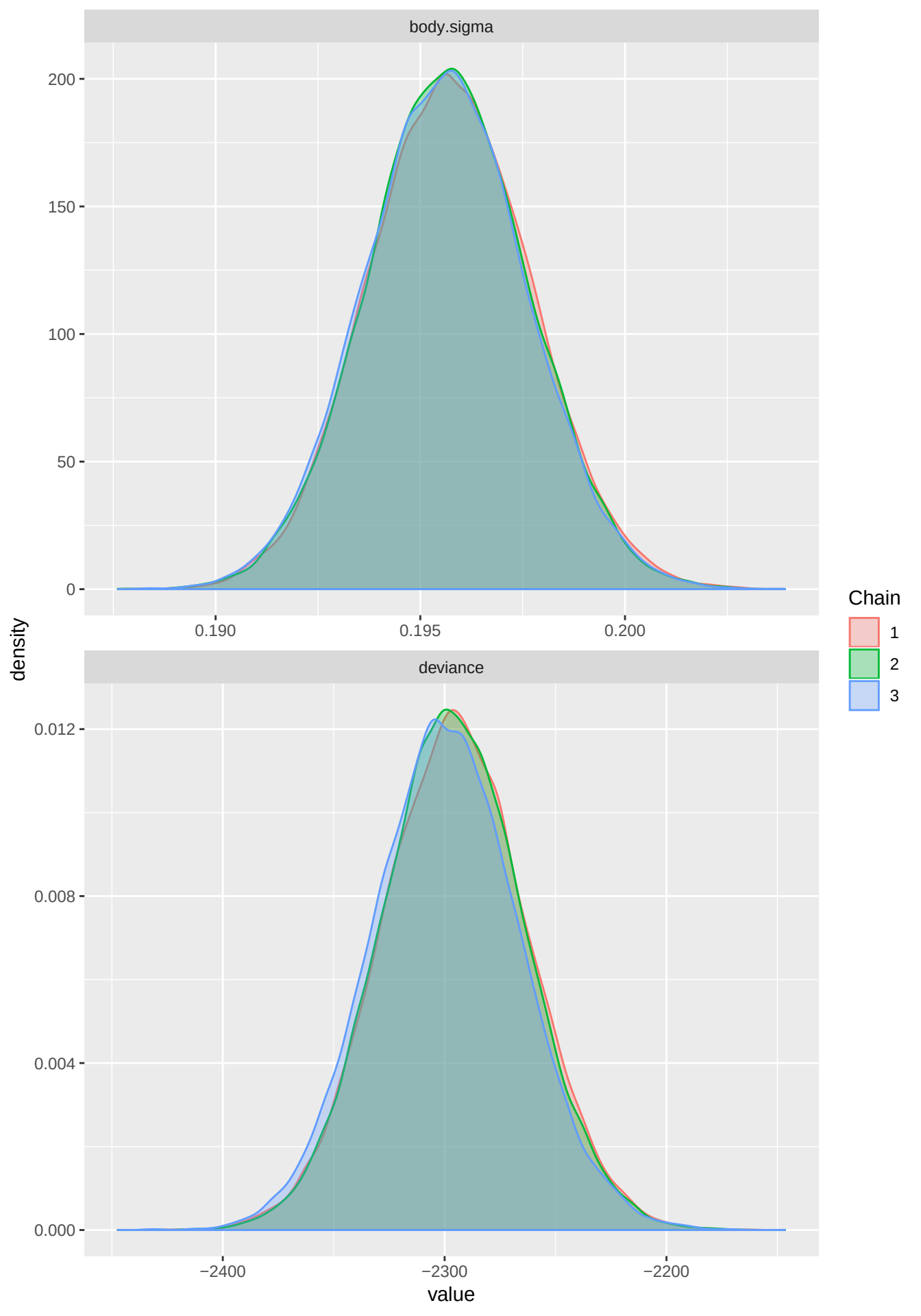
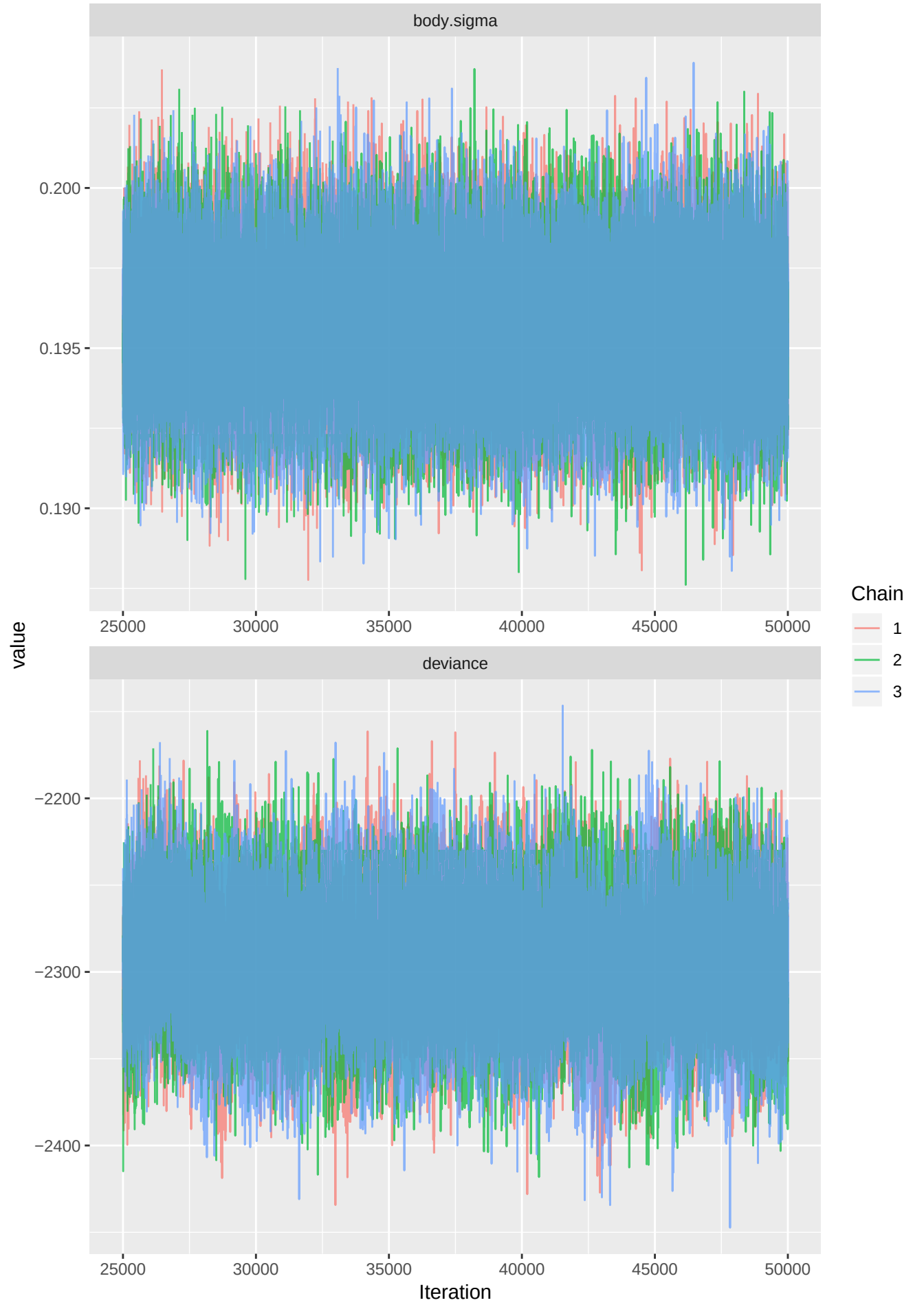

b.corr
10000
5000
0
0.994
0.996
0.998
1.000
b.sigma[1]
6000
4000
2000
0
0.375
0.400
0.425
0.450
b.sigma[2]
6000
4000
2000
0
0.30
0.32
0.34
0.36
0.38
count
beta.age
8000
6000
4000
2000
0
0.75
0.80
0.85
beta.breed
7500
5000
2500
0
−0.06
−0.05
−0.04
−0.03
value

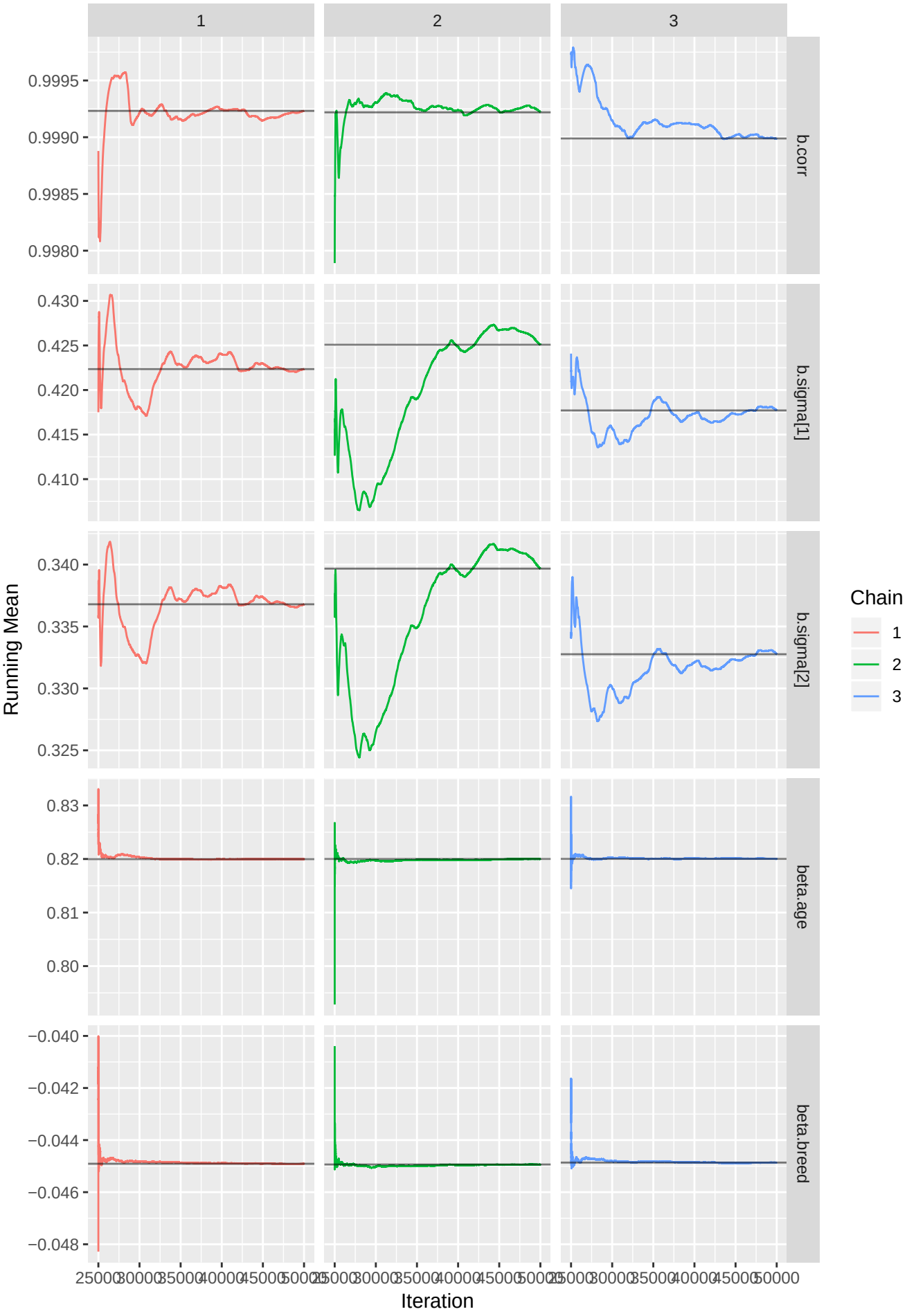

body.sigma
8000
6000
4000
2000
0
0.190
0.195
0.200
count
deviance
7500
5000
2500
0
−2400
−2300
−2200
value

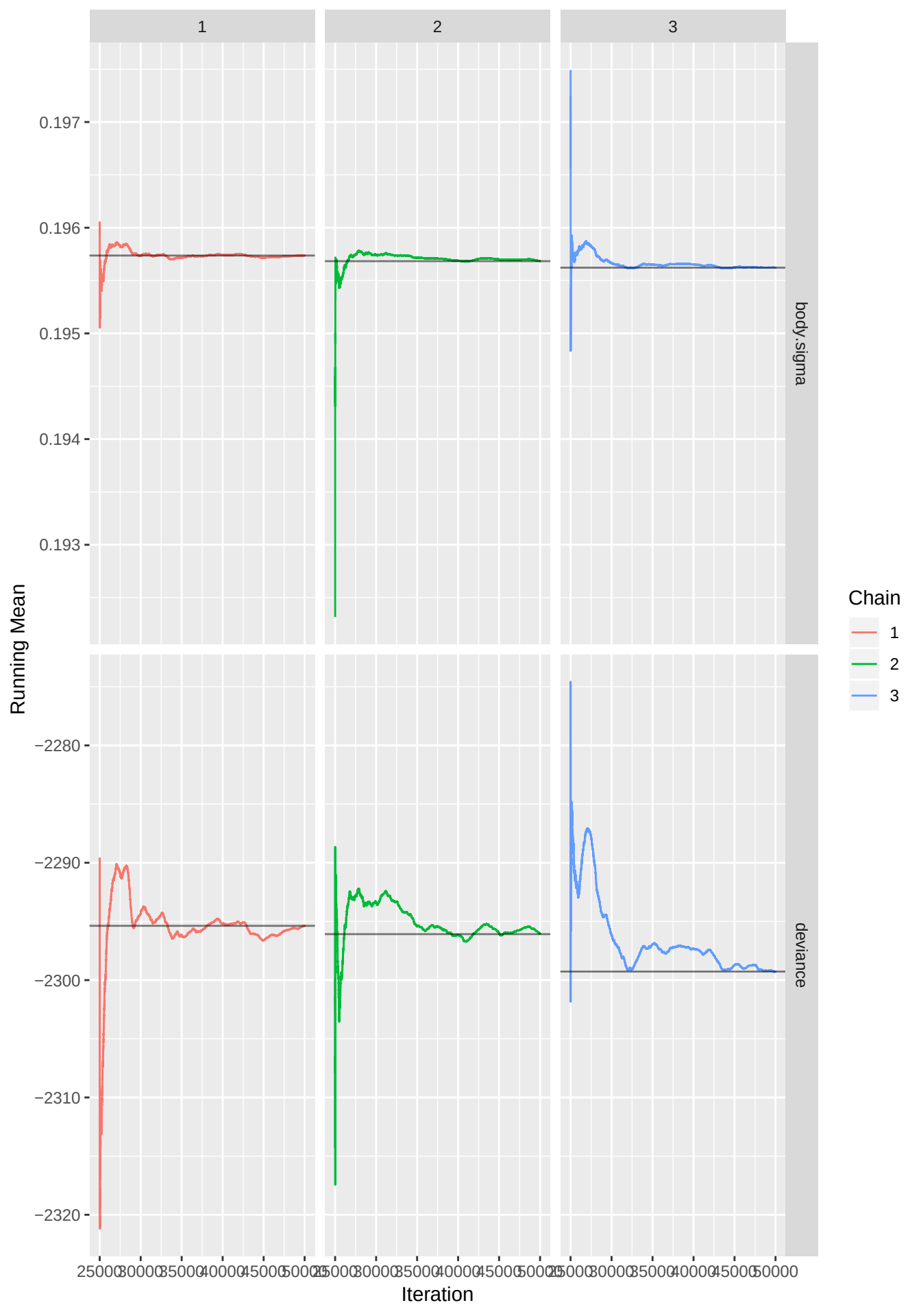

b.corr
1250
1000
750
500
250
0
0.994
0.996
0.998
1.000
b.sigma[1]
30
20
10
0
0.375
0.400
0.425
0.450
0.475
b.sigma[2]
40
30
20
10
0
0.30
0.32
0.34
0.36
0.38
density
beta.age
25
20
15
10
5
0
0.75
0.80
0.85
beta.breed
75
50
25
0
−0.06
−0.05
−0.04
−0.03
value
Chain
1
2
3

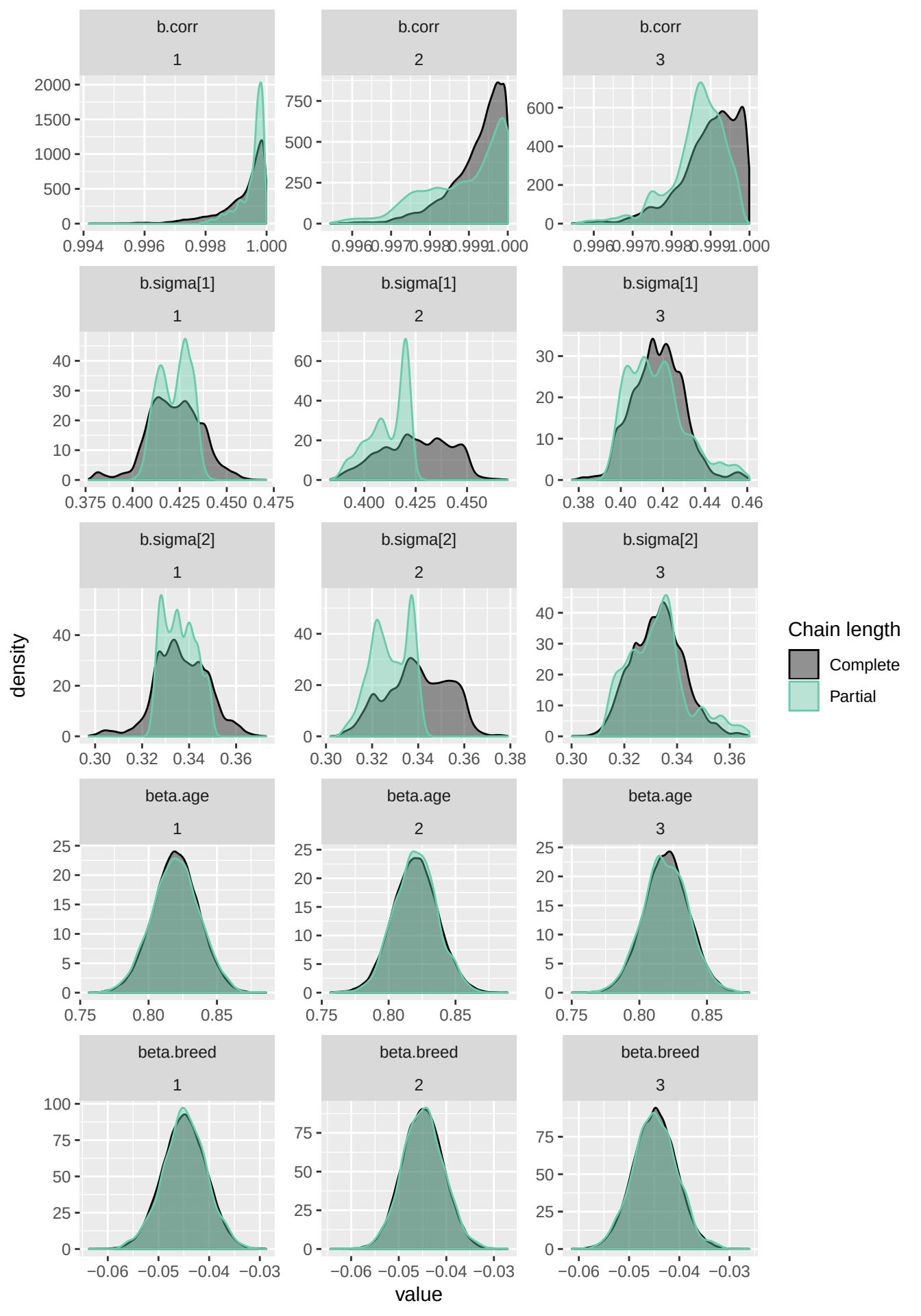

body.sigma
200
150
100
50
0
0.190
0.195
0.200
deviance
0.012
0.008
0.004
0.000
−2400
−2300
−2200
density
value
Chain
1
2
3

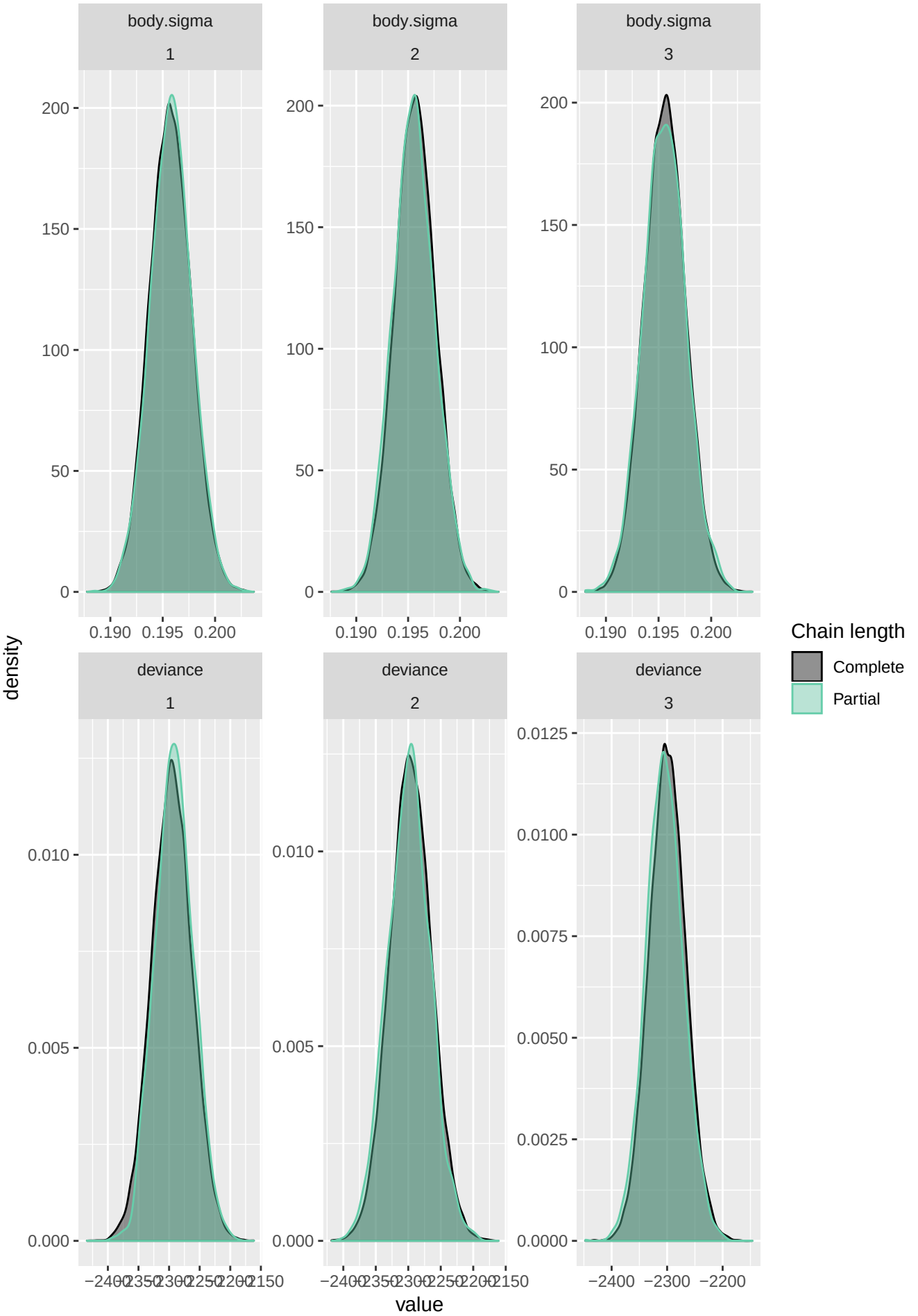
b.corr
1.000
0.998
0.996
0.994
b.sigma[1]
0.475
0.450
0.425
0.400
0.375
b.sigma[2]
0.38
0.36
0.34
0.32
0.30
value
beta.age
0.85
0.80
0.75
beta.breed
−0.03
−0.04
−0.05
−0.06
25000
30000
35000
40000
45000
50000
Iteration
Chain
1
2
3

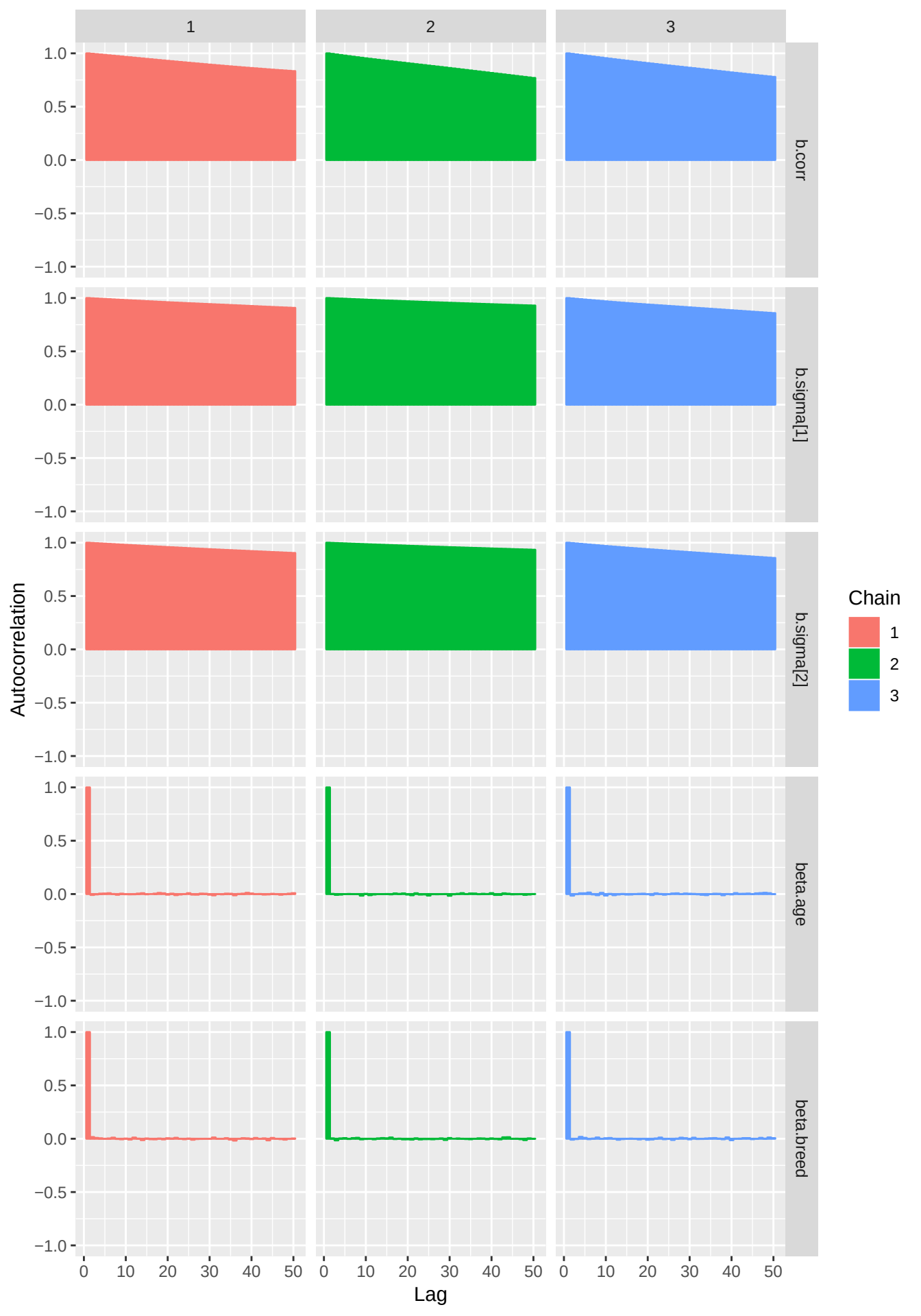

body.sigma
0.200
0.195
0.190
25000
30000
35000
40000
45000
50000
deviance
−2200
−2300
−2400
25000
30000
35000
40000
45000
50000
value
Iteration
Chain
1
2
3

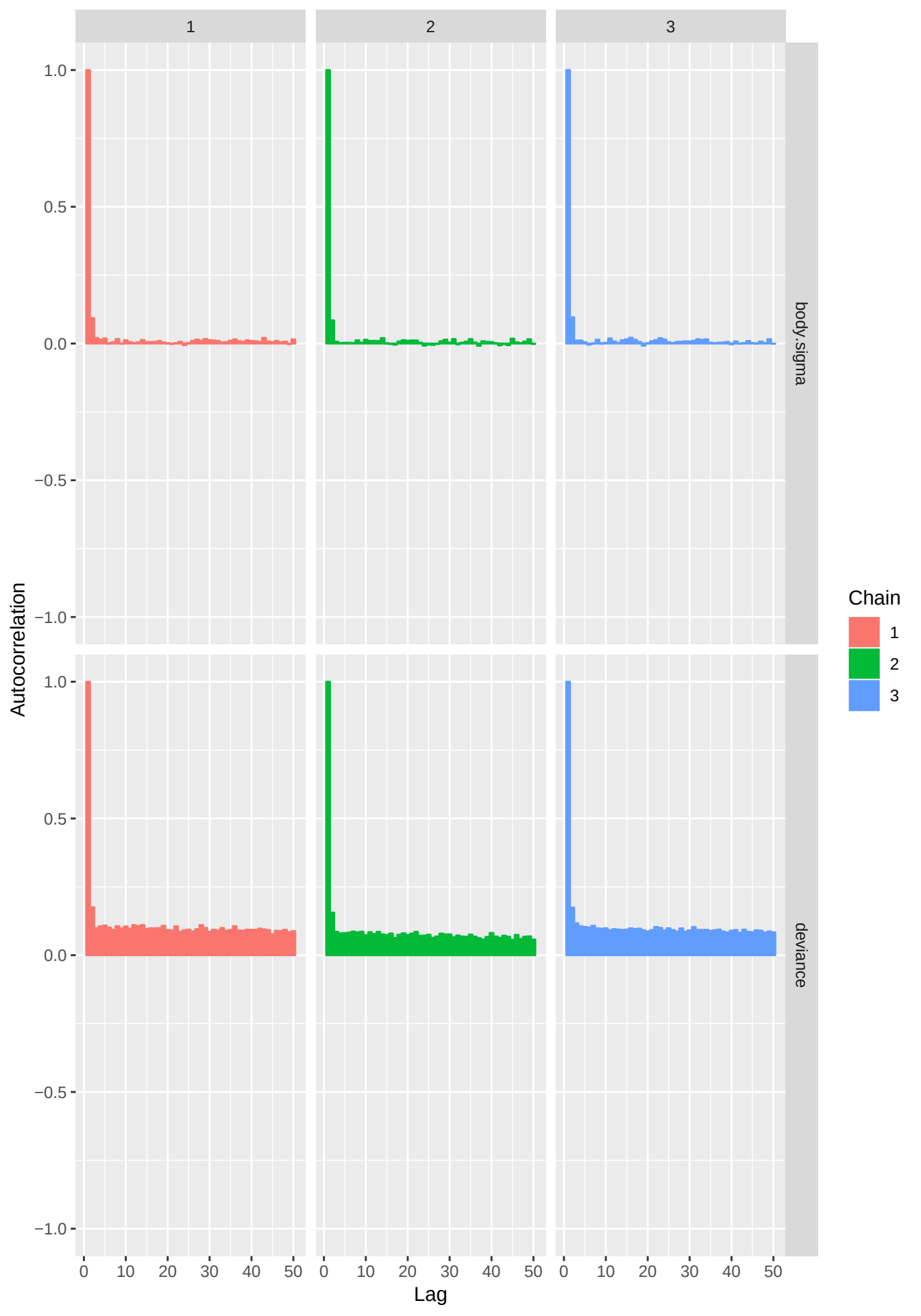

1
2
3
b.corr
b.sigma[1]
b.sigma[2]
beta.age
beta.breed
Running Mean
Iteration
Chain
1
2
3

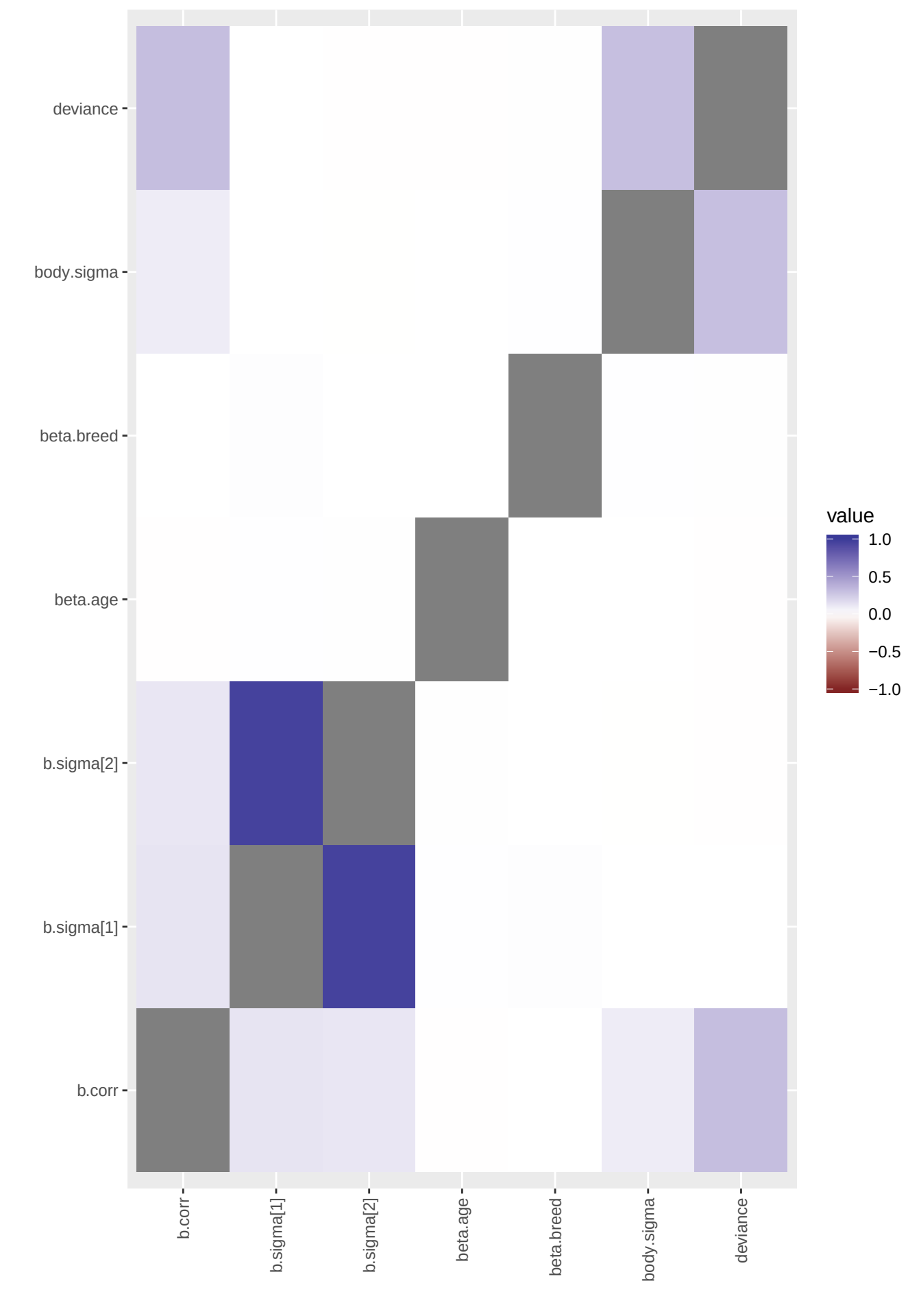

1
2
3
body.sigma
deviance
Running Mean
Iteration
Chain
1
2
3
0.197
0.196
0.195
0.194
0.193
−2280
−2290
−2300
−2310
−2320
25000
30000
35000
40000
45000
50000

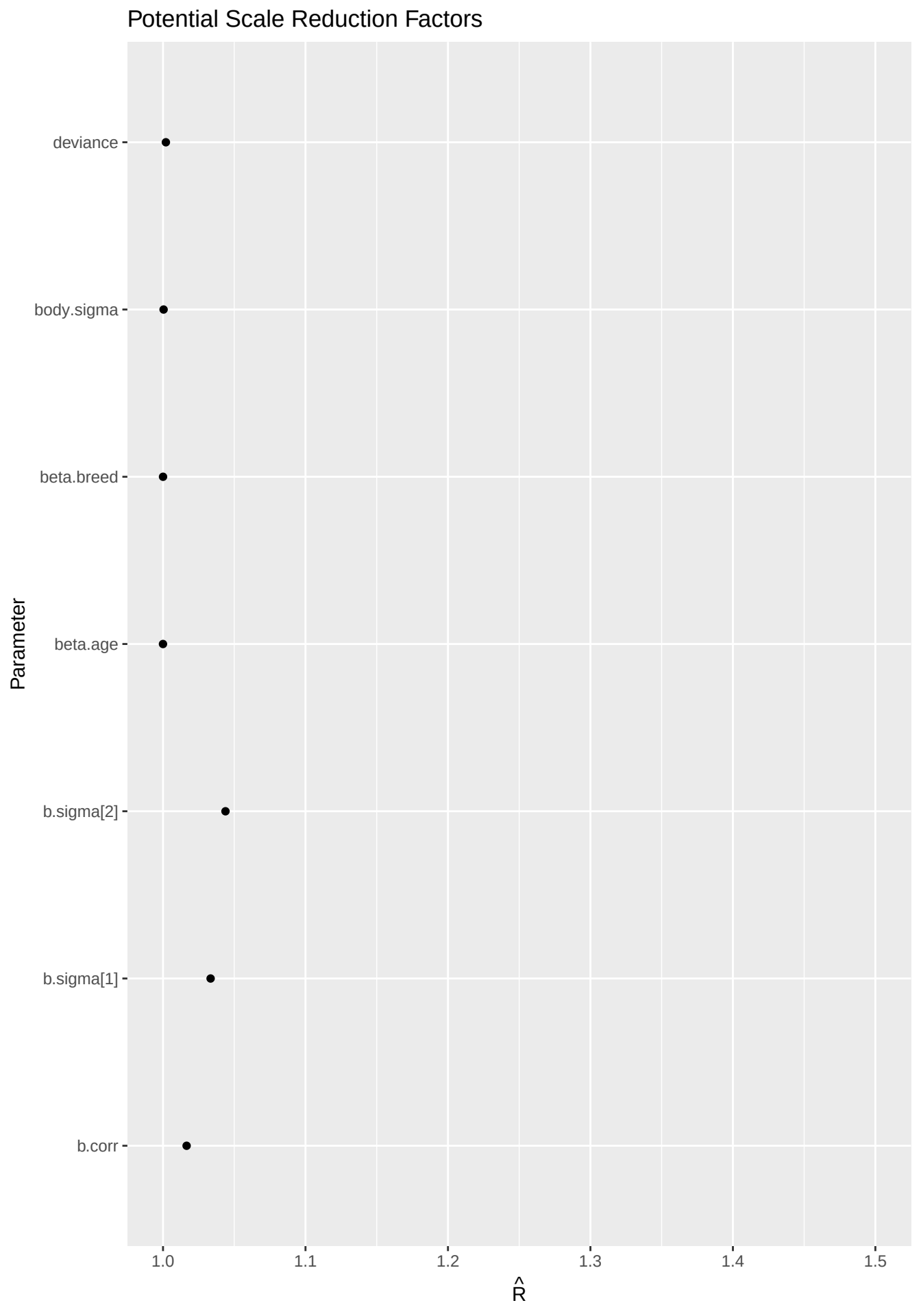

b.corr
1
2
3
b.sigma[1]
b.sigma[2]
beta.age
beta.breed
density
value
Chain length
Complete
Partial

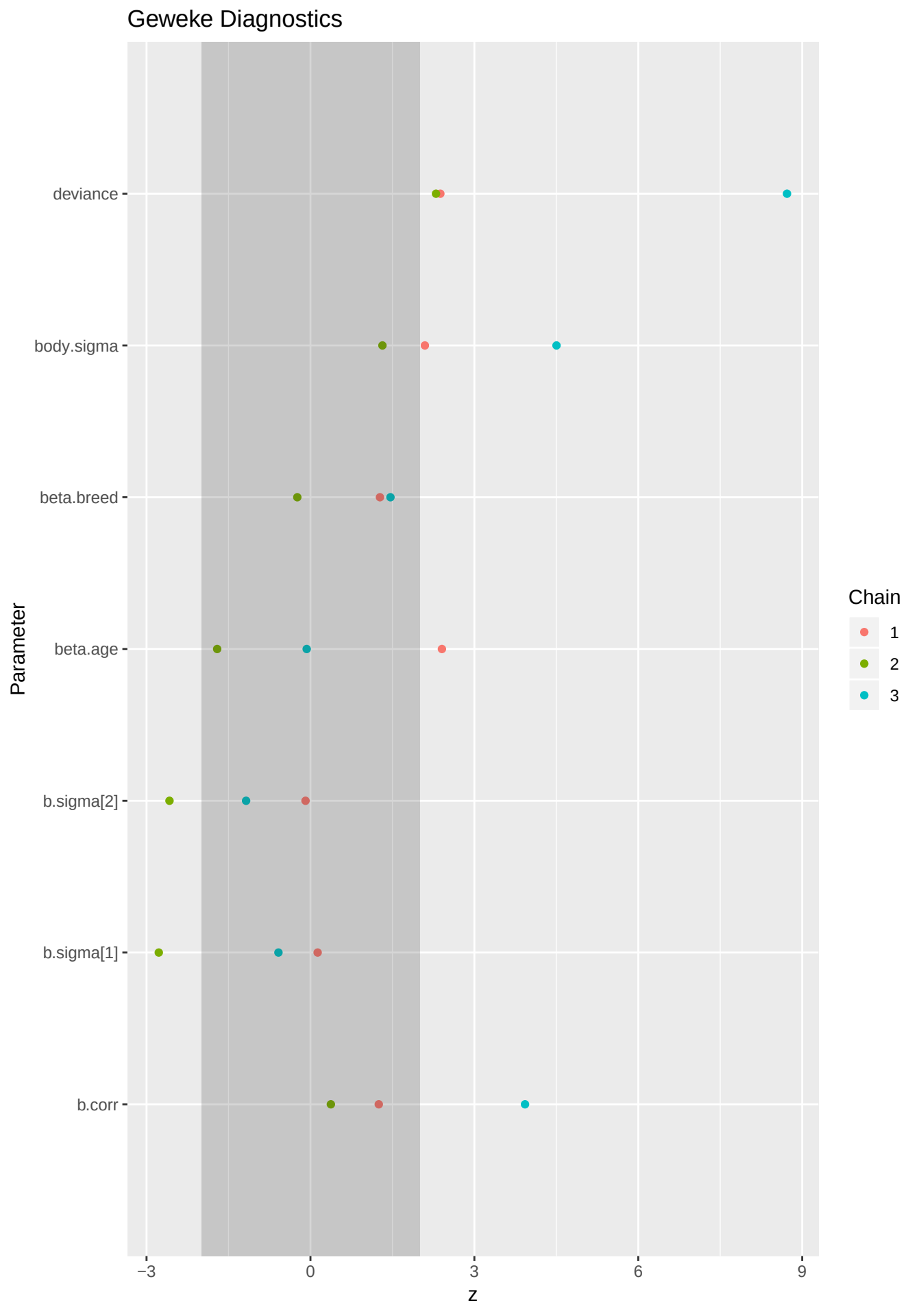

body.sigma
1
body.sigma
2
body.sigma
3
deviance
1
deviance
2
deviance
3
density
value
Chain length
Complete
Partial

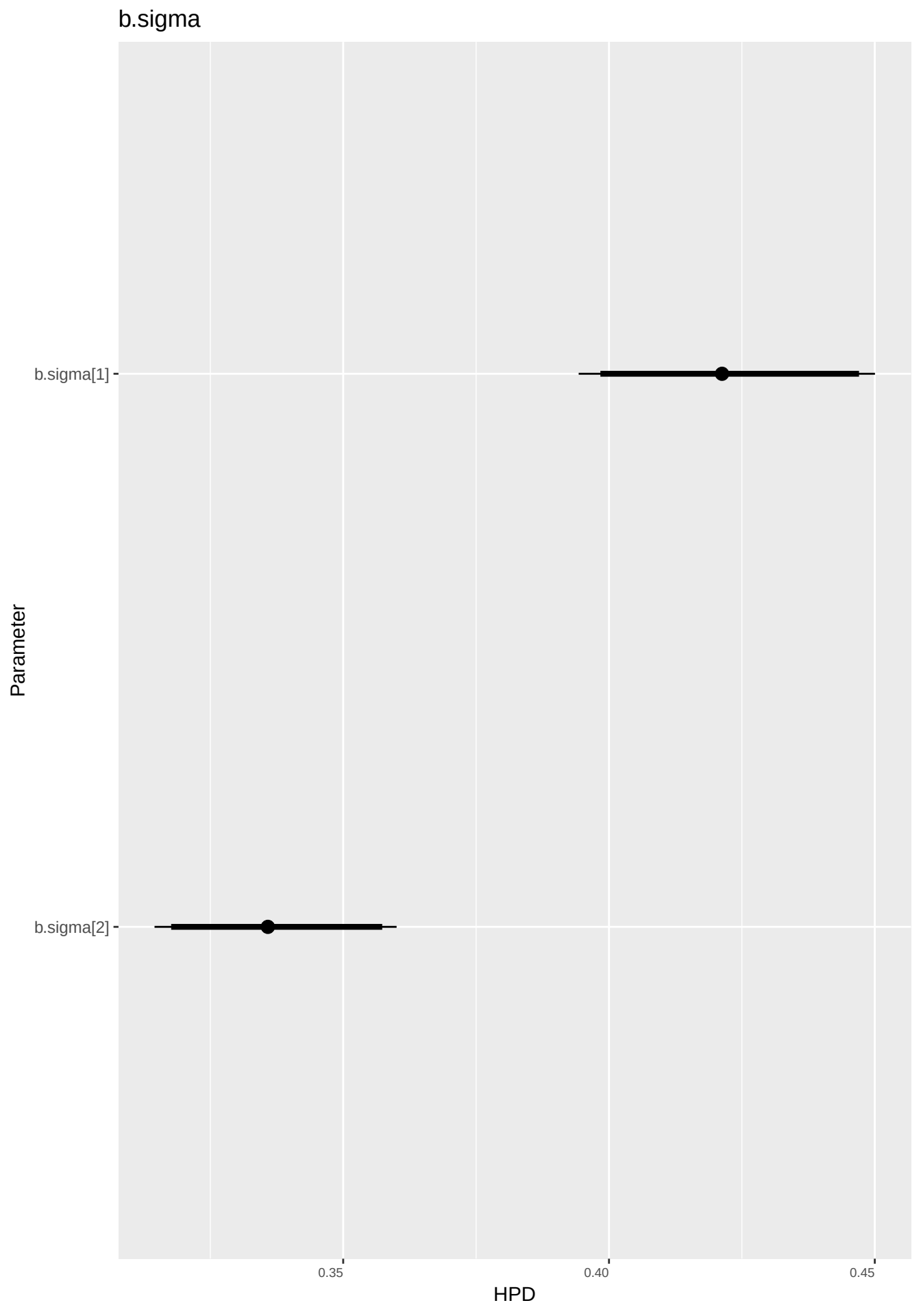

1
2
3
b.corr
b.sigma[1]
b.sigma[2]
beta.age
beta.breed
Autocorrelation
Lag
Chain
1
2
3
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50


1
2
3
body.sigma
deviance
Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50
Lag
Chain
1
2
3


deviance
body.sigma
beta.breed
beta.age
b.sigma[2]
b.sigma[1]
b.corr
b.corr
b.sigma[1]
b.sigma[2]
beta.age
beta.breed
body.sigma
deviance
value
1.0
0.5
0.0
−0.5
−1.0


Potential Scale Reduction Factors
deviance
body.sigma
beta.breed
beta.age
b.sigma[2]
b.sigma[1]
b.corr
Parameter
1.0
1.1
1.2
1.3
1.4
1.5
R̂


Geweke Diagnostics
deviance
body.sigma
beta.breed
beta.age
b.sigma[2]
b.sigma[1]
b.corr
Parameter
−3
0
3
6
9
z
Chain
1
2
3


b.sigma
b.sigma[1]
b.sigma[2]
Parameter
0.35
0.40
0.45
HPD