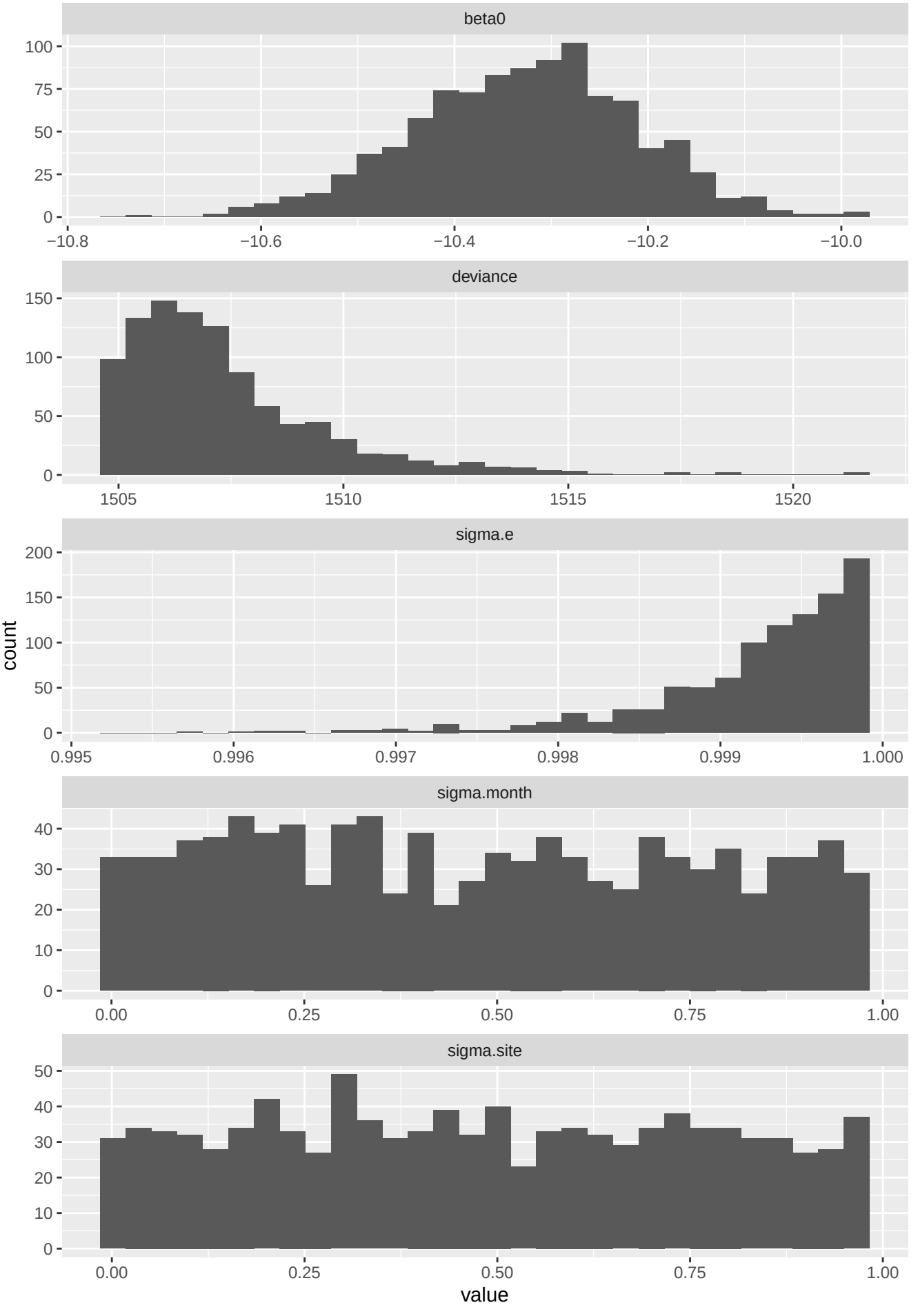
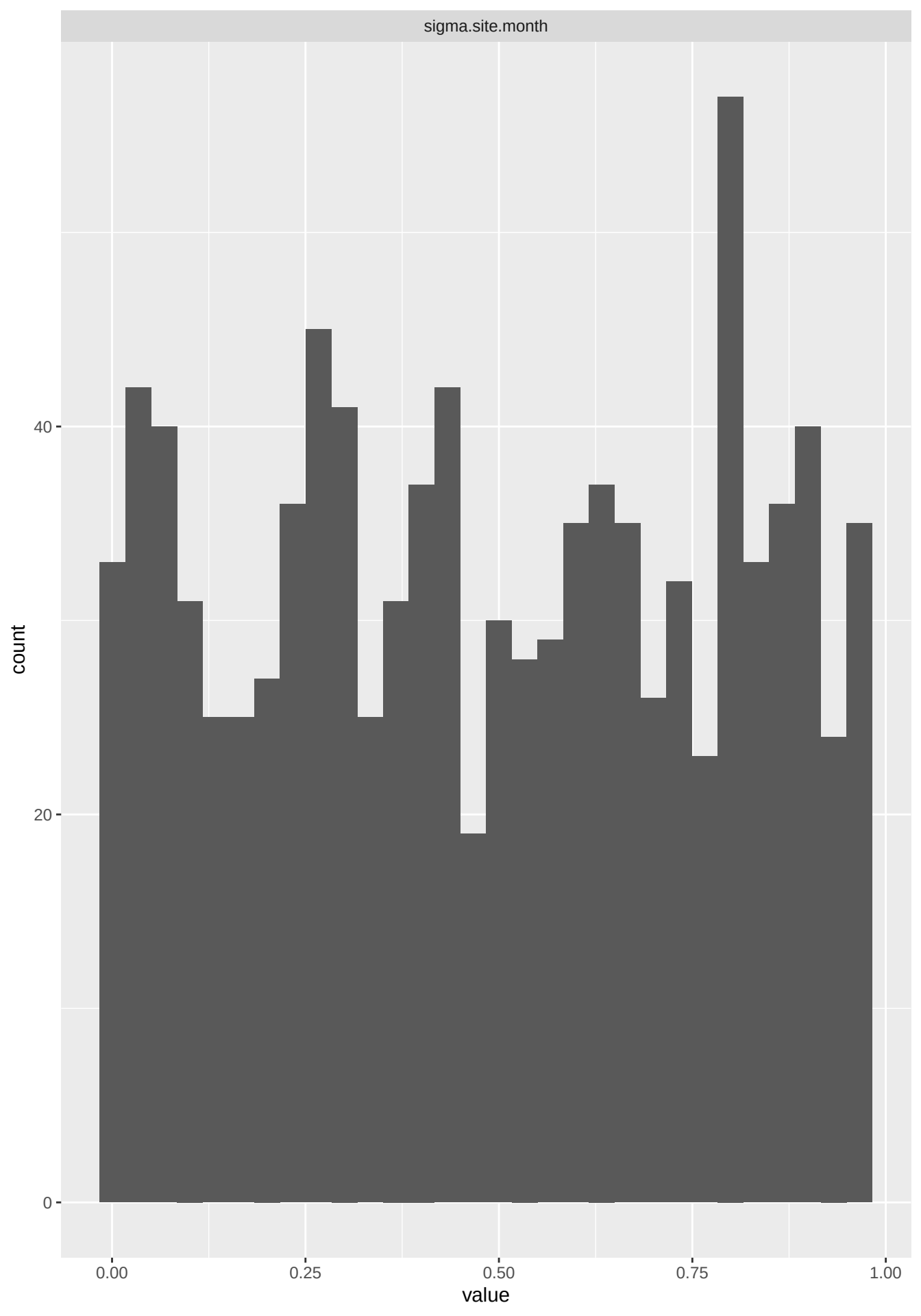
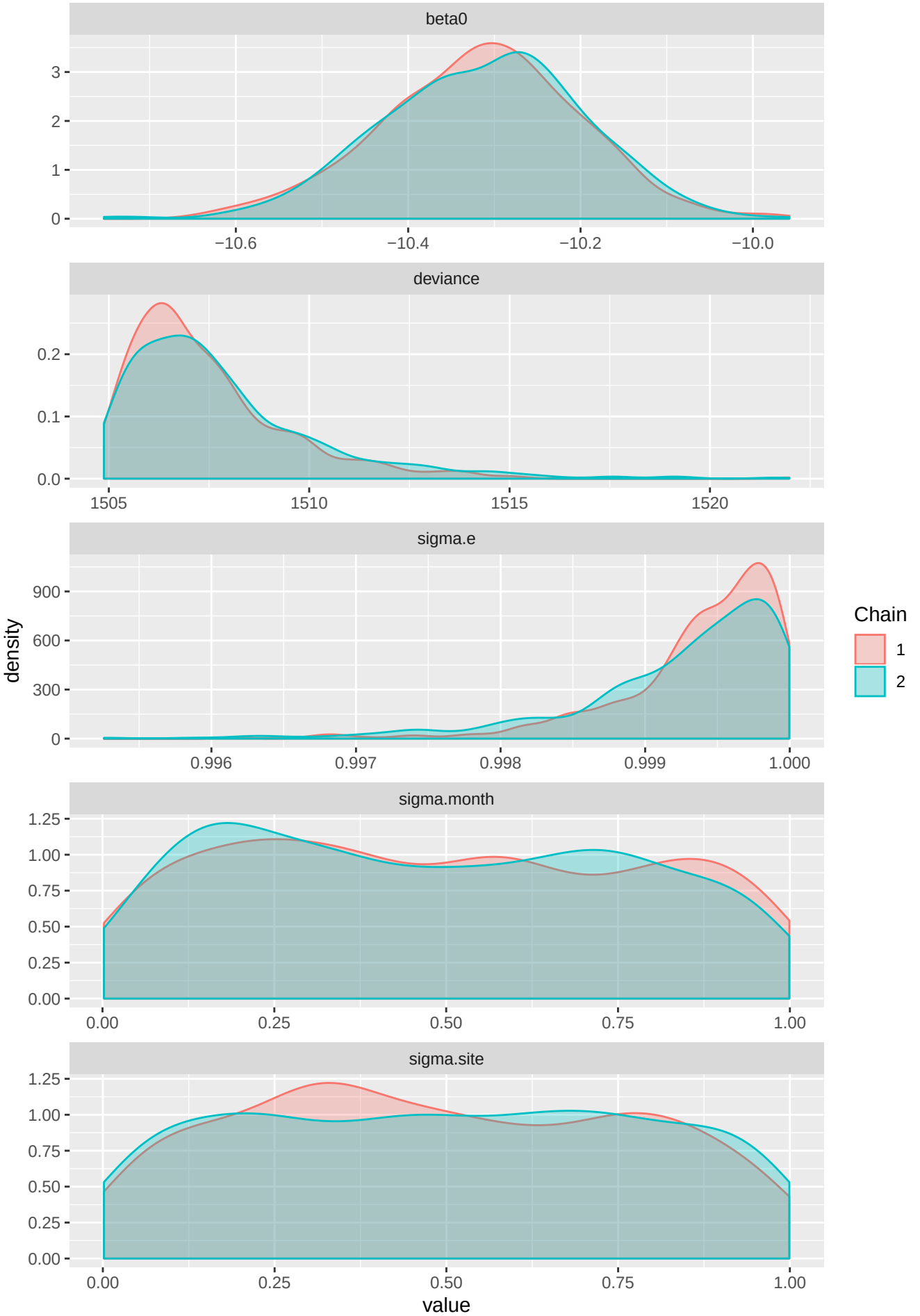
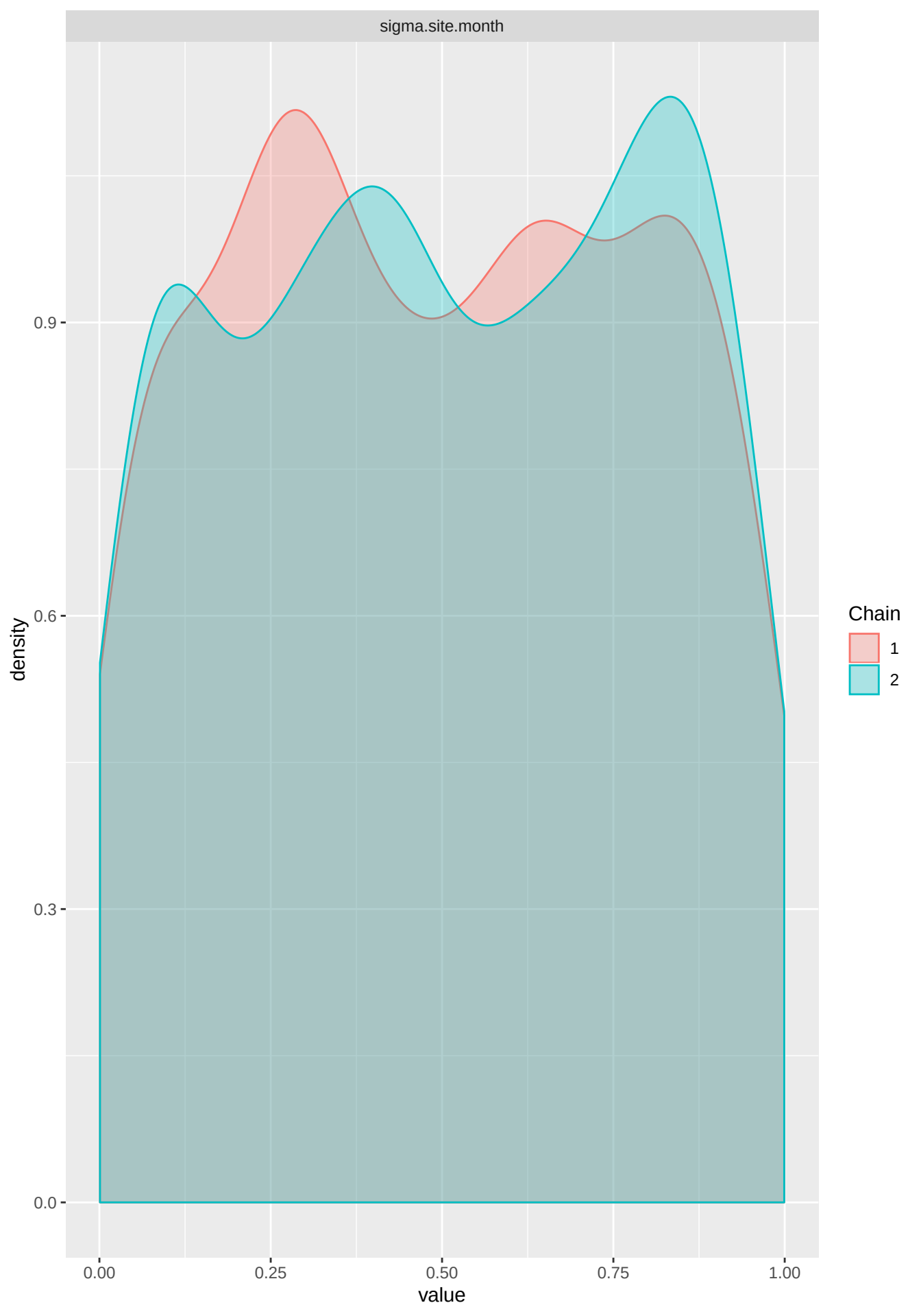
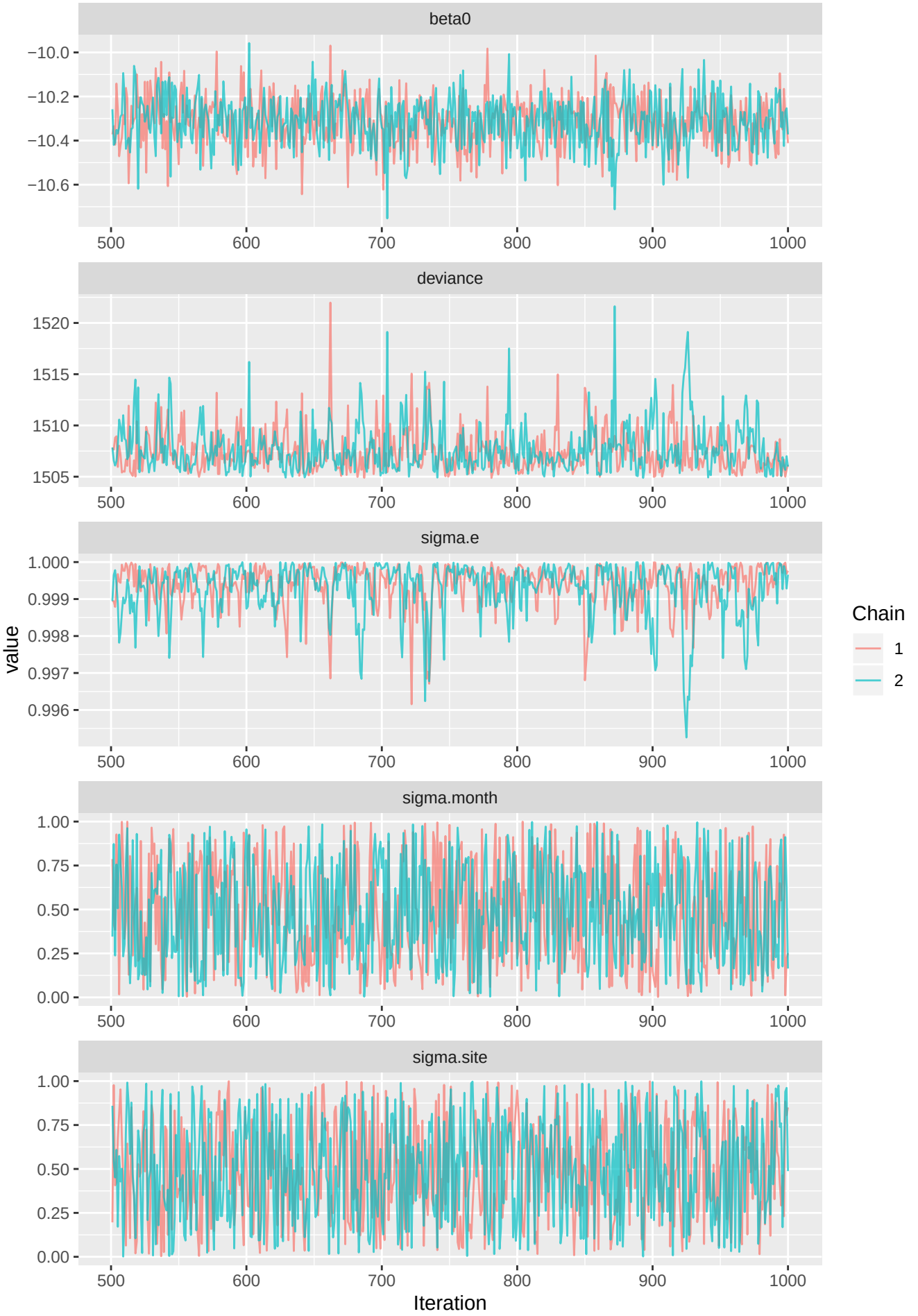
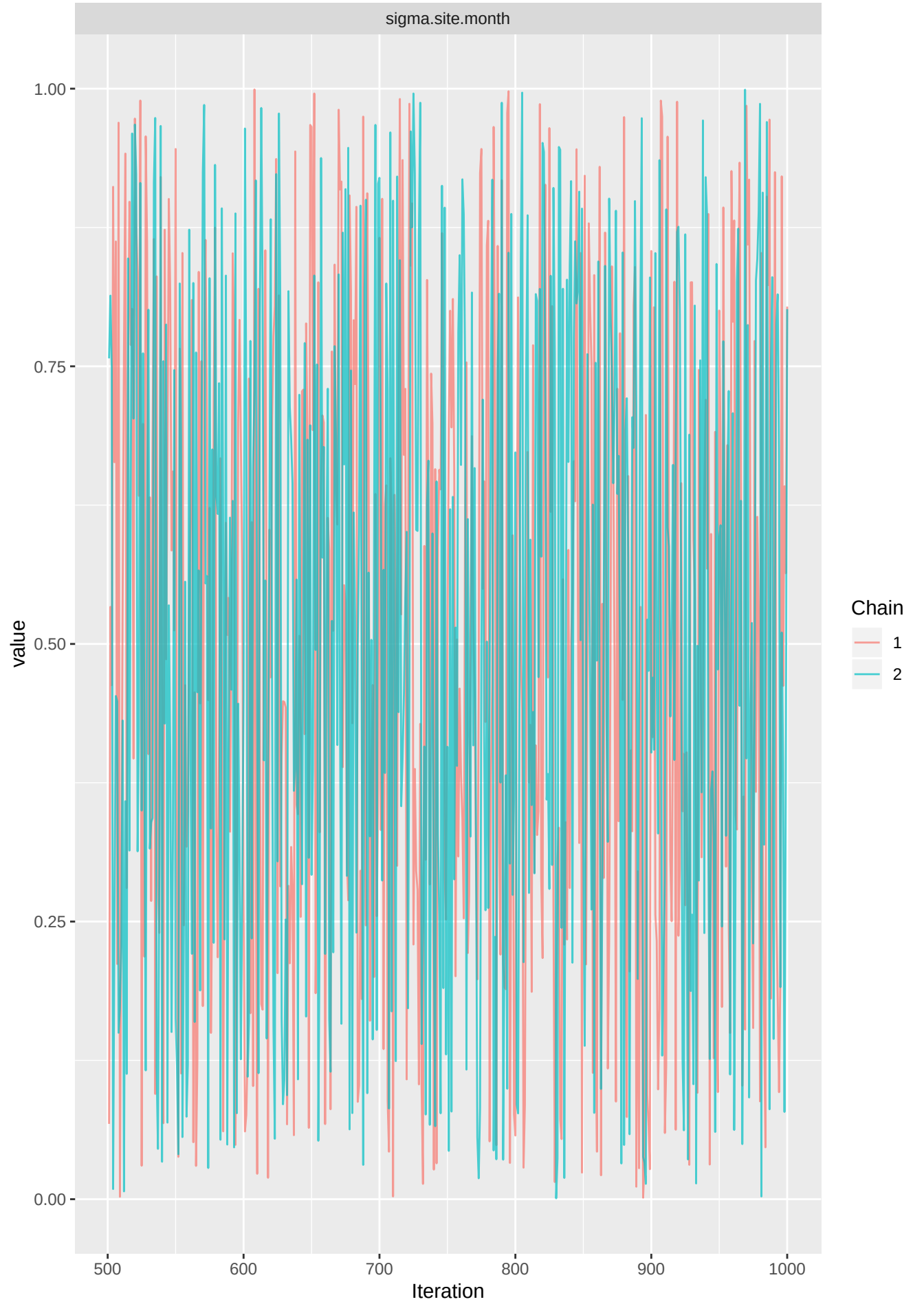

beta0
deviance
sigma.e
sigma.month
sigma.site
count
value

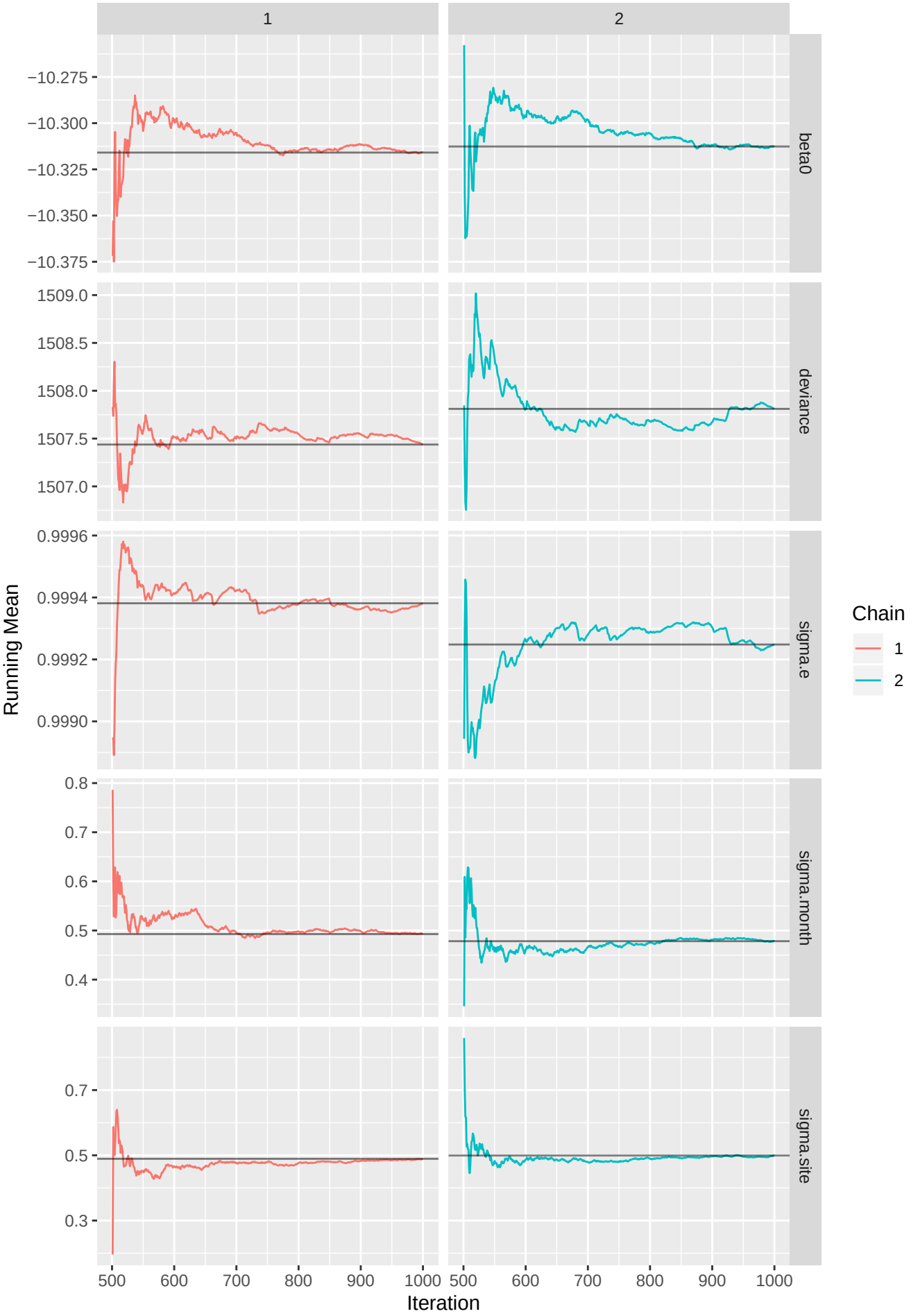

sigma.site.month
count
40
20
0
0.00
0.25
0.50
0.75
1.00
value

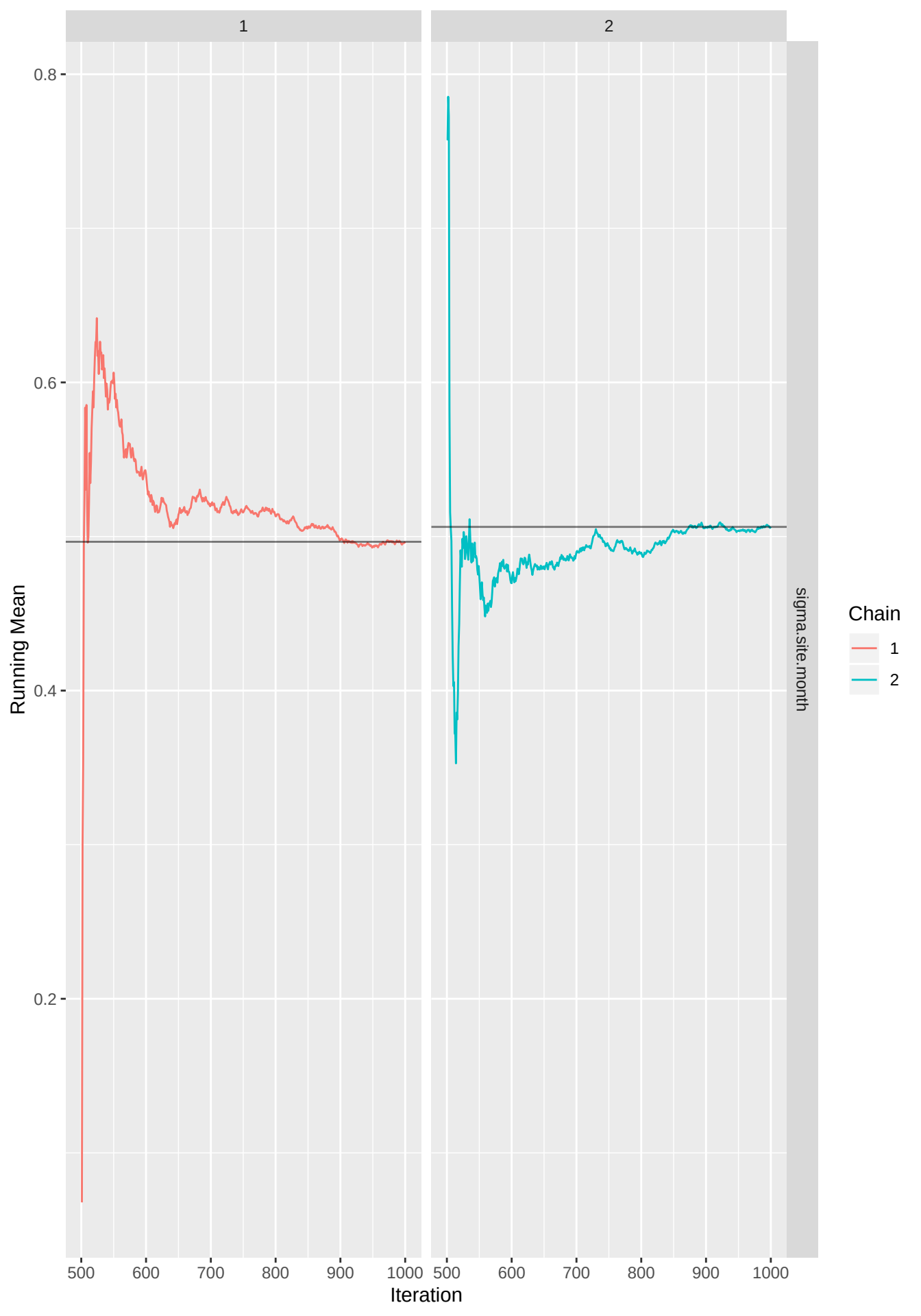

beta0
deviance
sigma.e
sigma.month
sigma.site
density
value
Chain
1
2

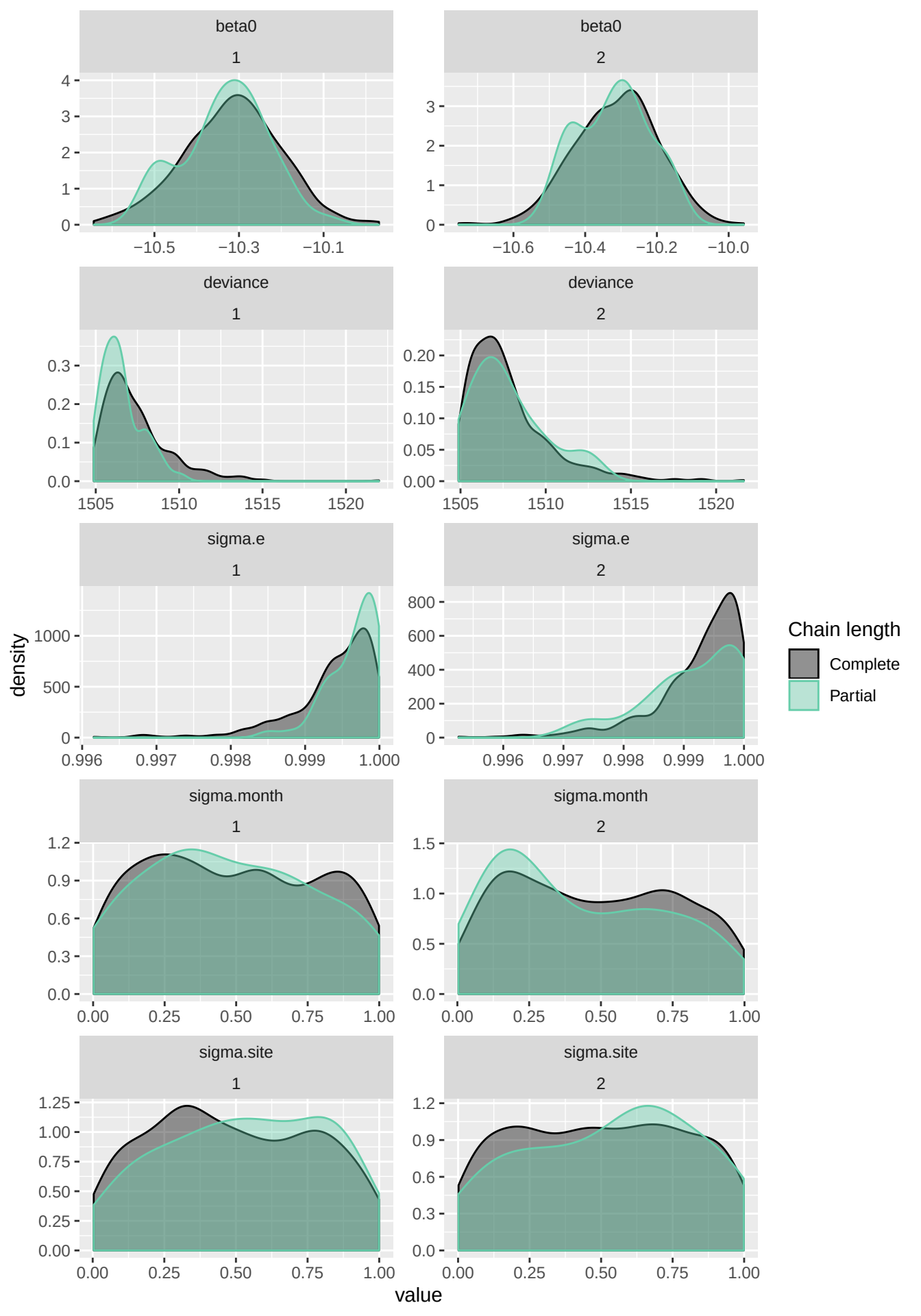

sigma.site.month
density
0.0
0.3
0.6
0.9
0.00
0.25
0.50
0.75
1.00
value
Chain
1
2

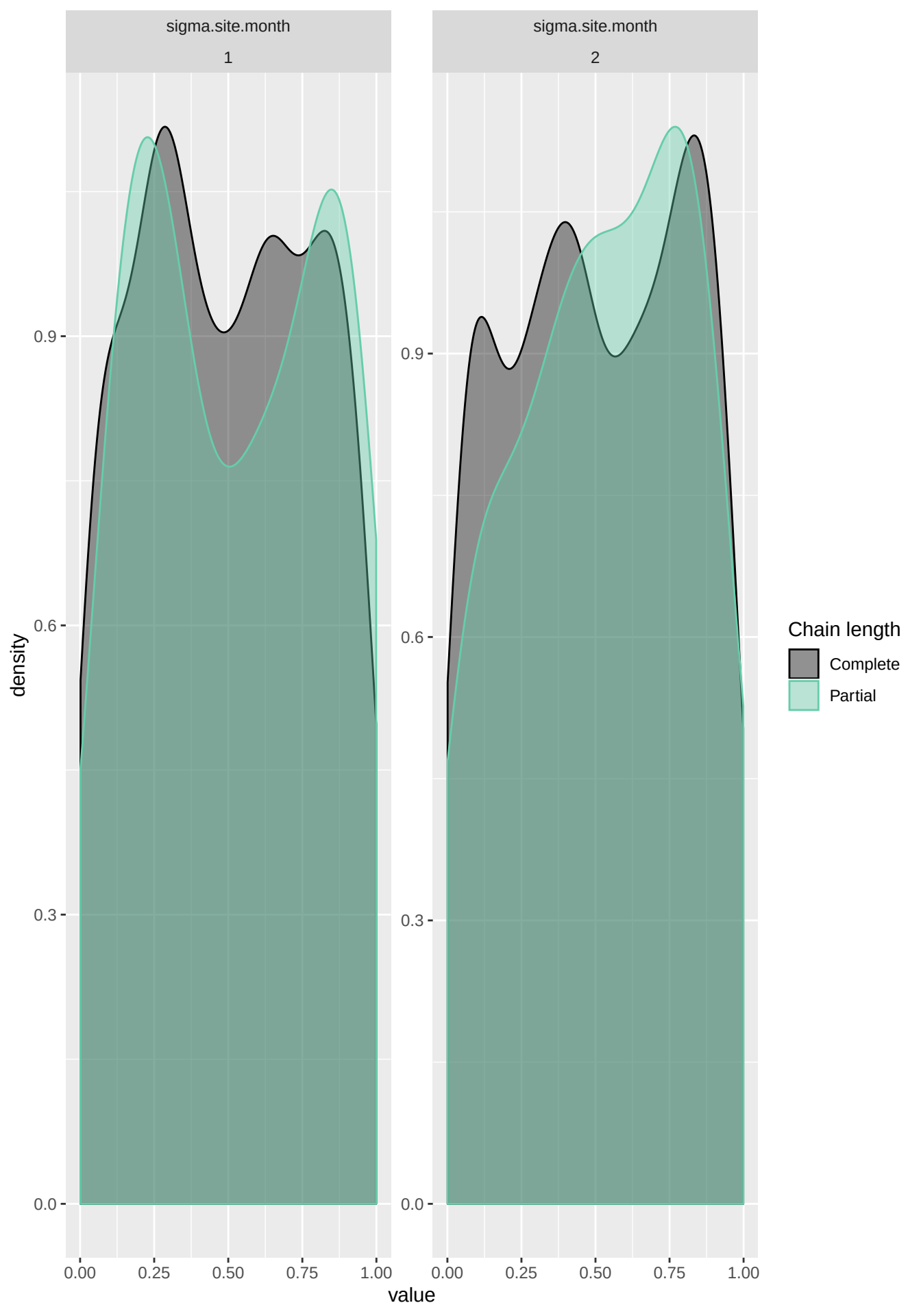

beta0
−10.0
−10.2
−10.4
−10.6
deviance
1520
1515
1510
1505
sigma.e
1.000
0.999
0.998
0.997
0.996
sigma.month
1.00
0.75
0.50
0.25
0.00
sigma.site
1.00
0.75
0.50
0.25
0.00
500
600
700
800
900
1000
value
Iteration
Chain
1
2

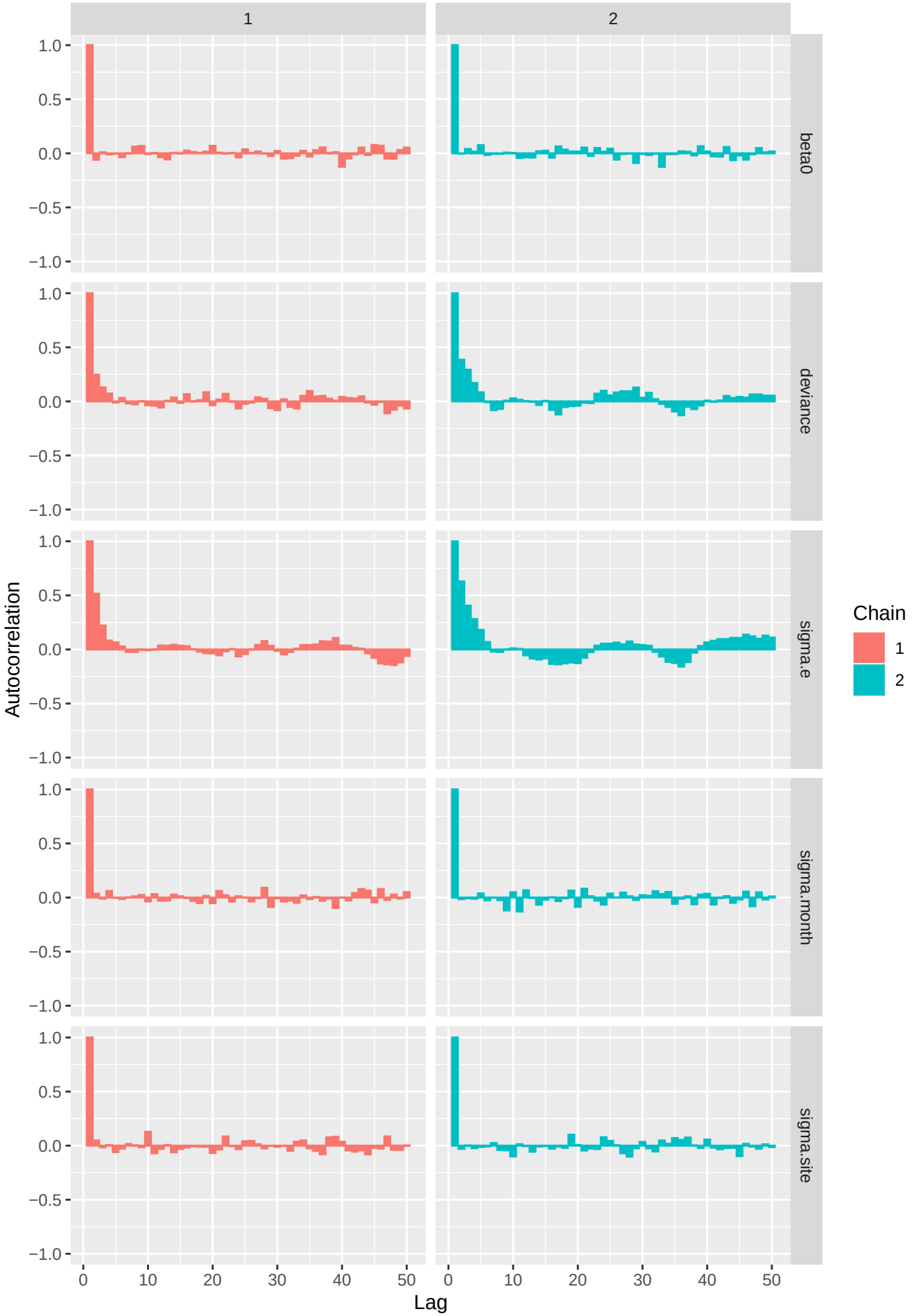

sigma.site.month
1.00
0.75
0.50
0.25
0.00
value
500
600
700
800
900
1000
Iteration
Chain
1
2

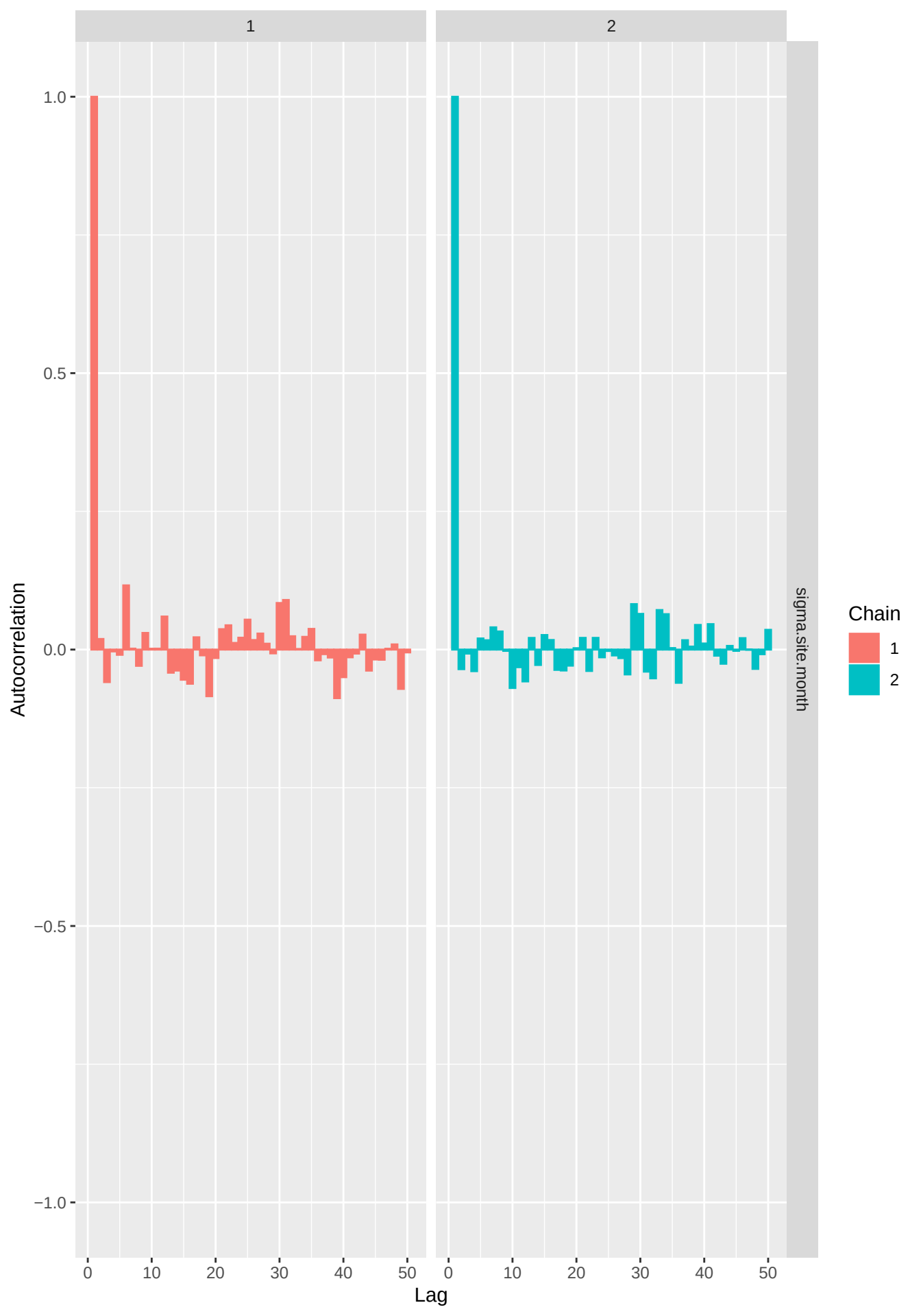

1
2
beta0
deviance
sigma.e
sigma.month
sigma.site
−10.275
−10.300
−10.325
−10.350
−10.375
1509.0
1508.5
1508.0
1507.5
1507.0
0.9996
0.9994
0.9992
0.9990
0.8
0.7
0.6
0.5
0.4
0.7
0.5
0.3
500
600
700
800
900
1000
Running Mean
Iteration
Chain
1
2

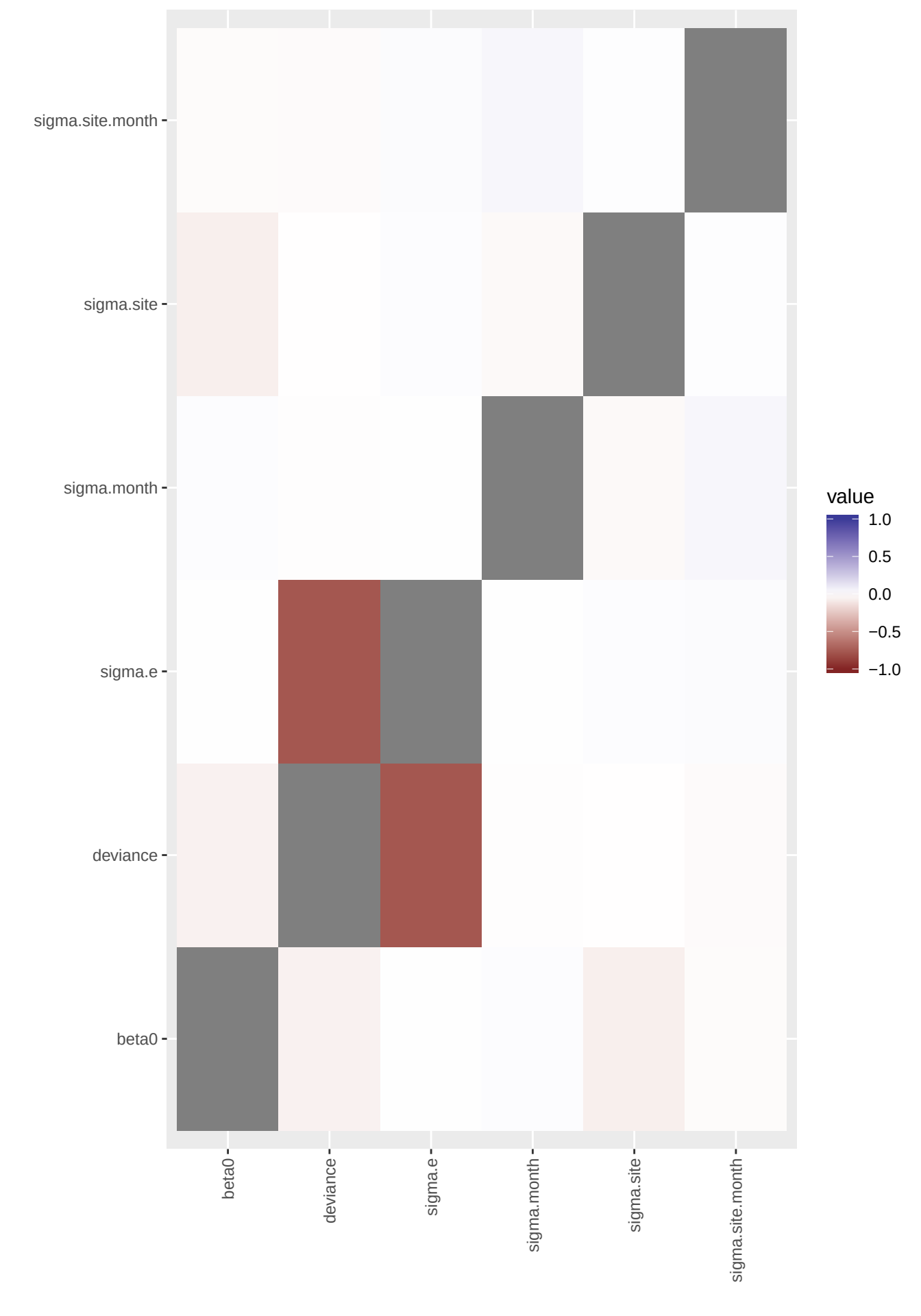

1
2
0.8
0.6
0.4
0.2
Running Mean
500
600
700
800
900
1000
Iteration
sigma.site.month
Chain
1
2

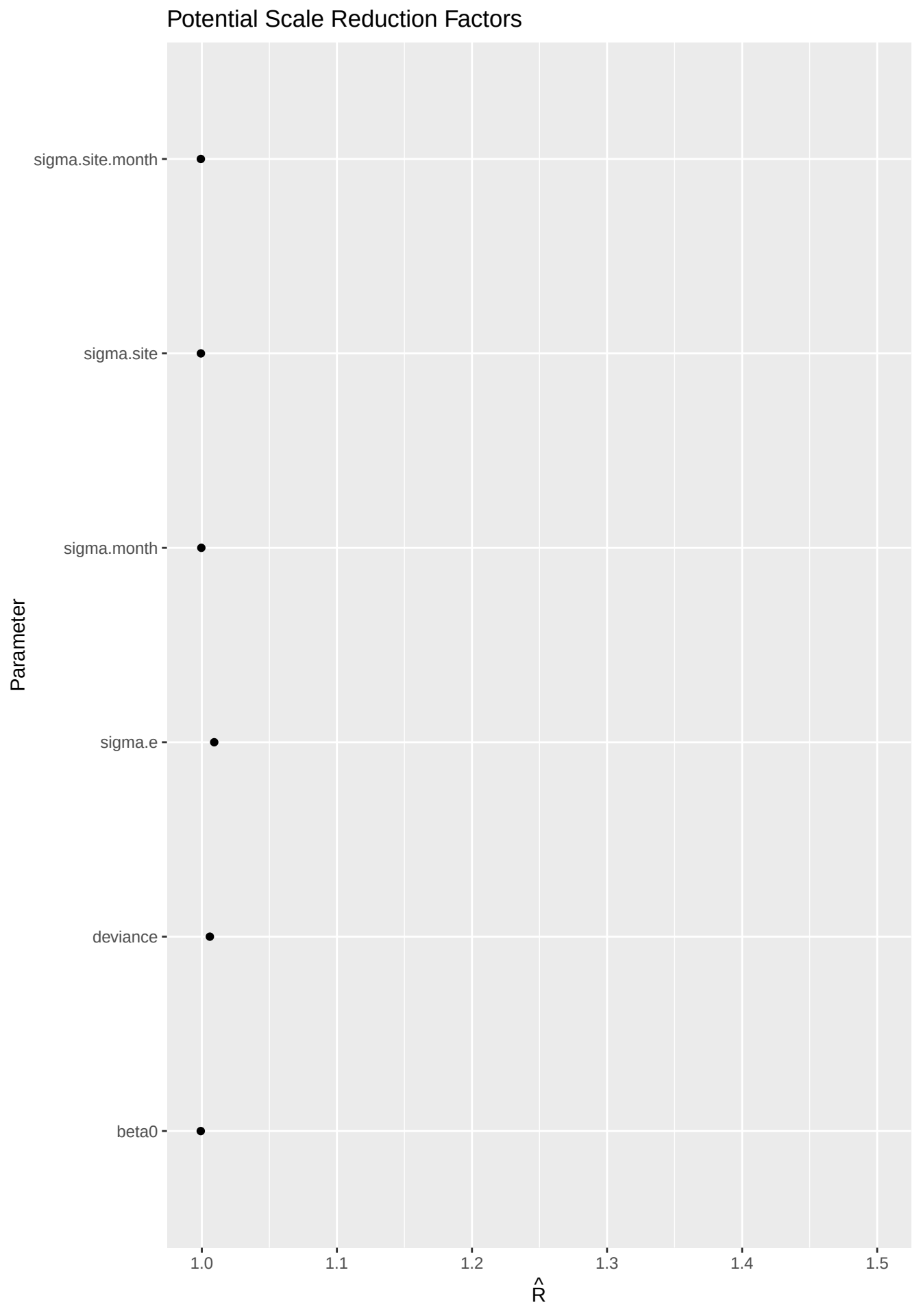

beta0
1
beta0
2
deviance
1
deviance
2
sigma.e
1
sigma.e
2
sigma.month
1
sigma.month
2
sigma.site
1
sigma.site
2
density
value
Chain length
Complete
Partial

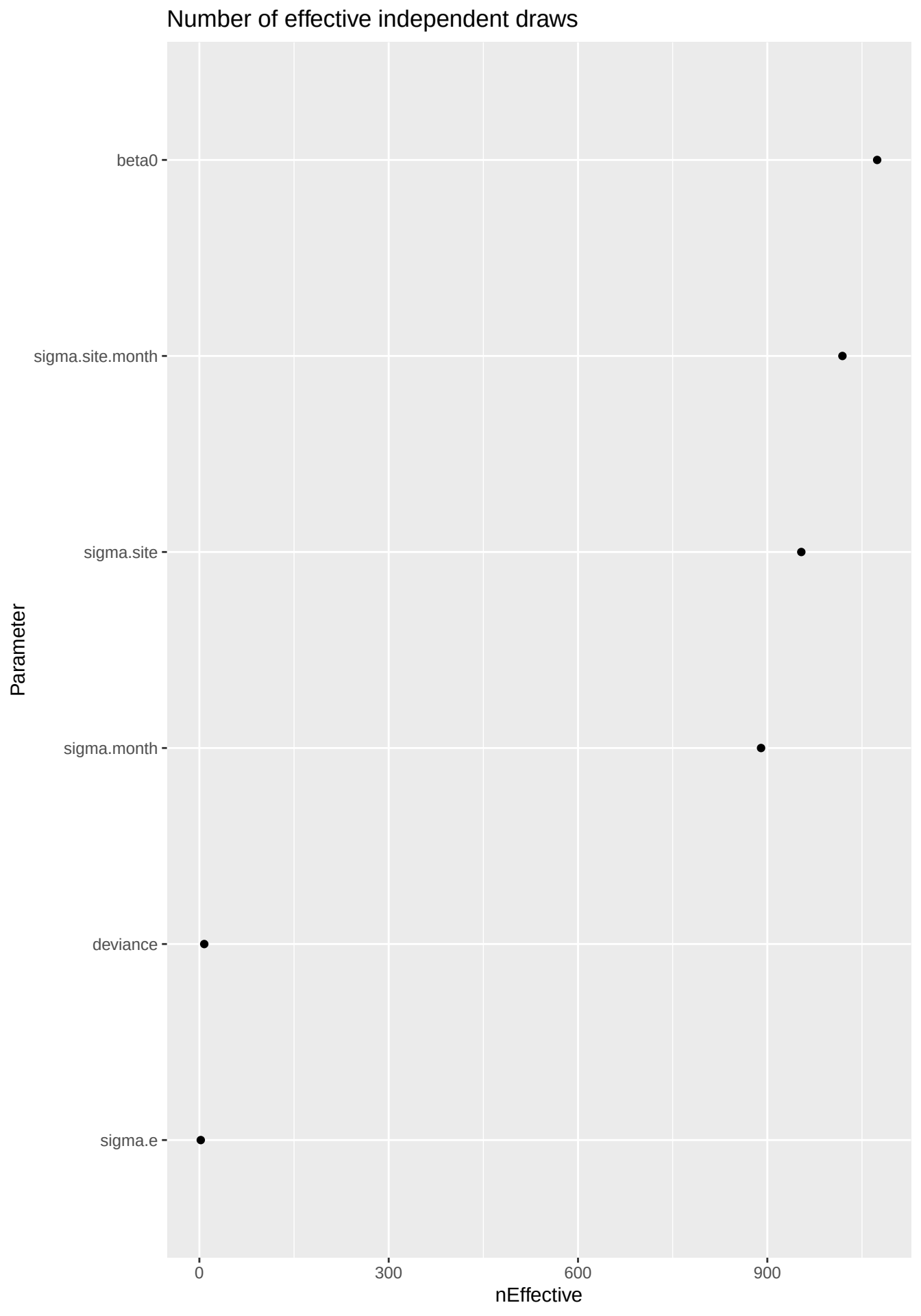

sigma.site.month
1
sigma.site.month
2
density
0.0
0.3
0.6
0.9
0.00
0.25
0.50
0.75
1.00
value
Chain length
Complete
Partial

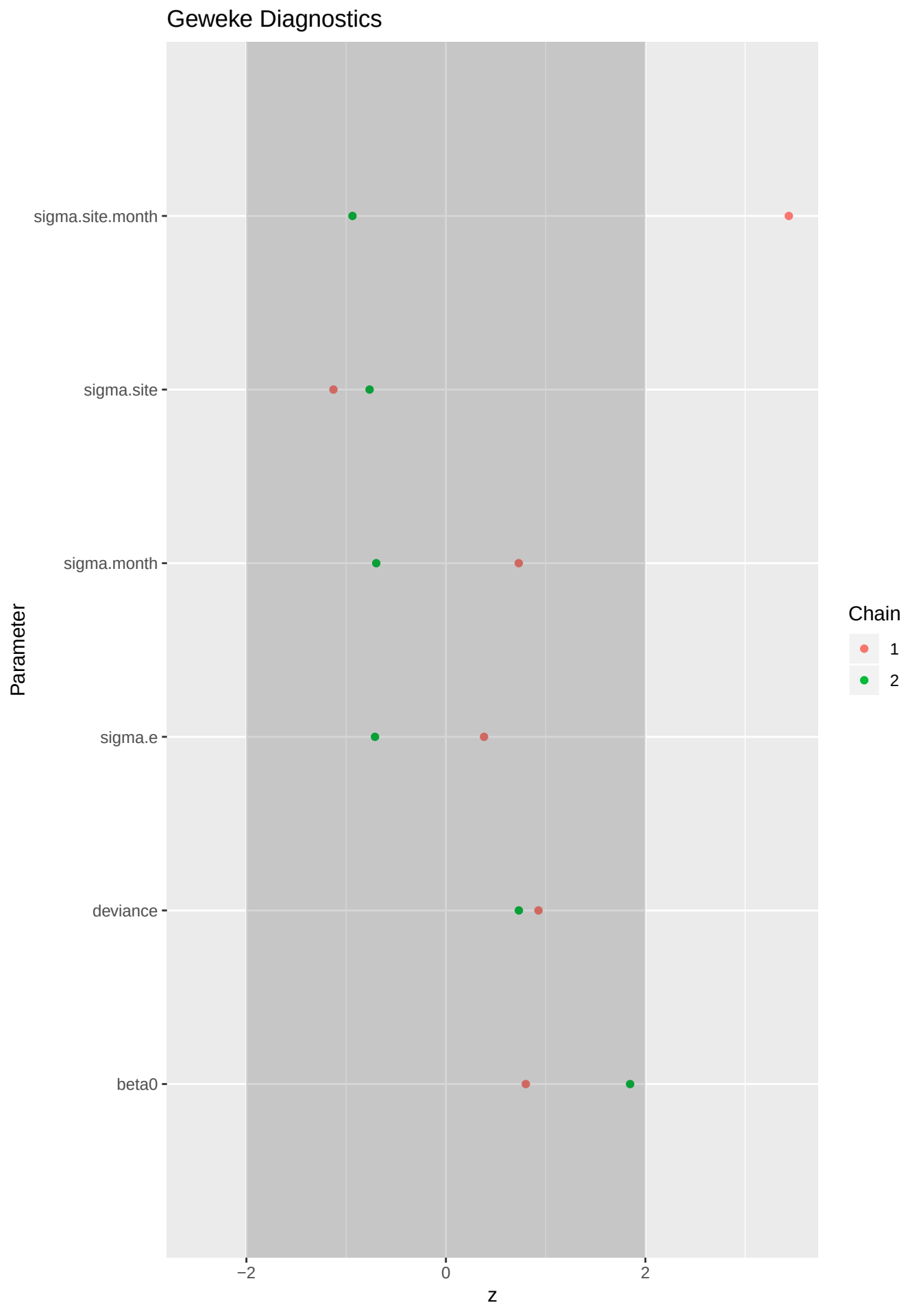

1
2
beta0
deviance
sigma.e
sigma.month
sigma.site
Autocorrelation
Lag
Chain
1
2
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50


1
2
1.0
0.5
0.0
−0.5
−1.0
Autocorrelation
0
10
20
30
40
50
Lag
sigma.site.month
Chain
1
2


sigma.site.month
sigma.site
sigma.month
sigma.e
deviance
beta0
beta0
deviance
sigma.e
sigma.month
sigma.site
sigma.site.month
value
1.0
0.5
0.0
−0.5
−1.0


Potential Scale Reduction Factors
sigma.site.month
sigma.site
sigma.month
sigma.e
deviance
beta0
Parameter
1.0
1.1
1.2
1.3
1.4
1.5
R̂


Number of effective independent draws
beta0
sigma.site.month
sigma.site
sigma.month
deviance
sigma.e
Parameter
0
300
600
900
nEffective


Geweke Diagnostics
sigma.site.month
sigma.site
sigma.month
sigma.e
deviance
beta0
Parameter
−2
0
2
z
Chain
1
2