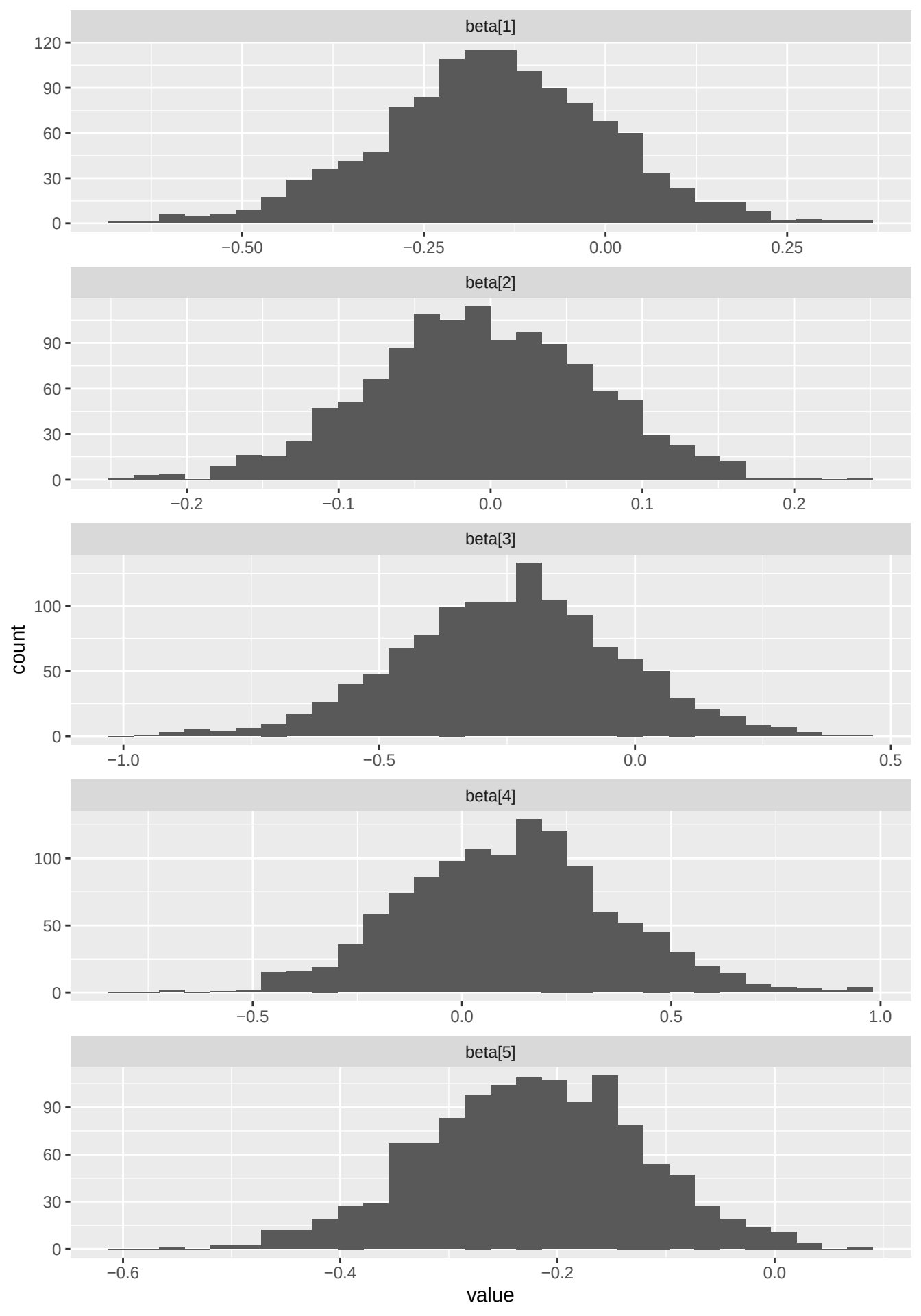
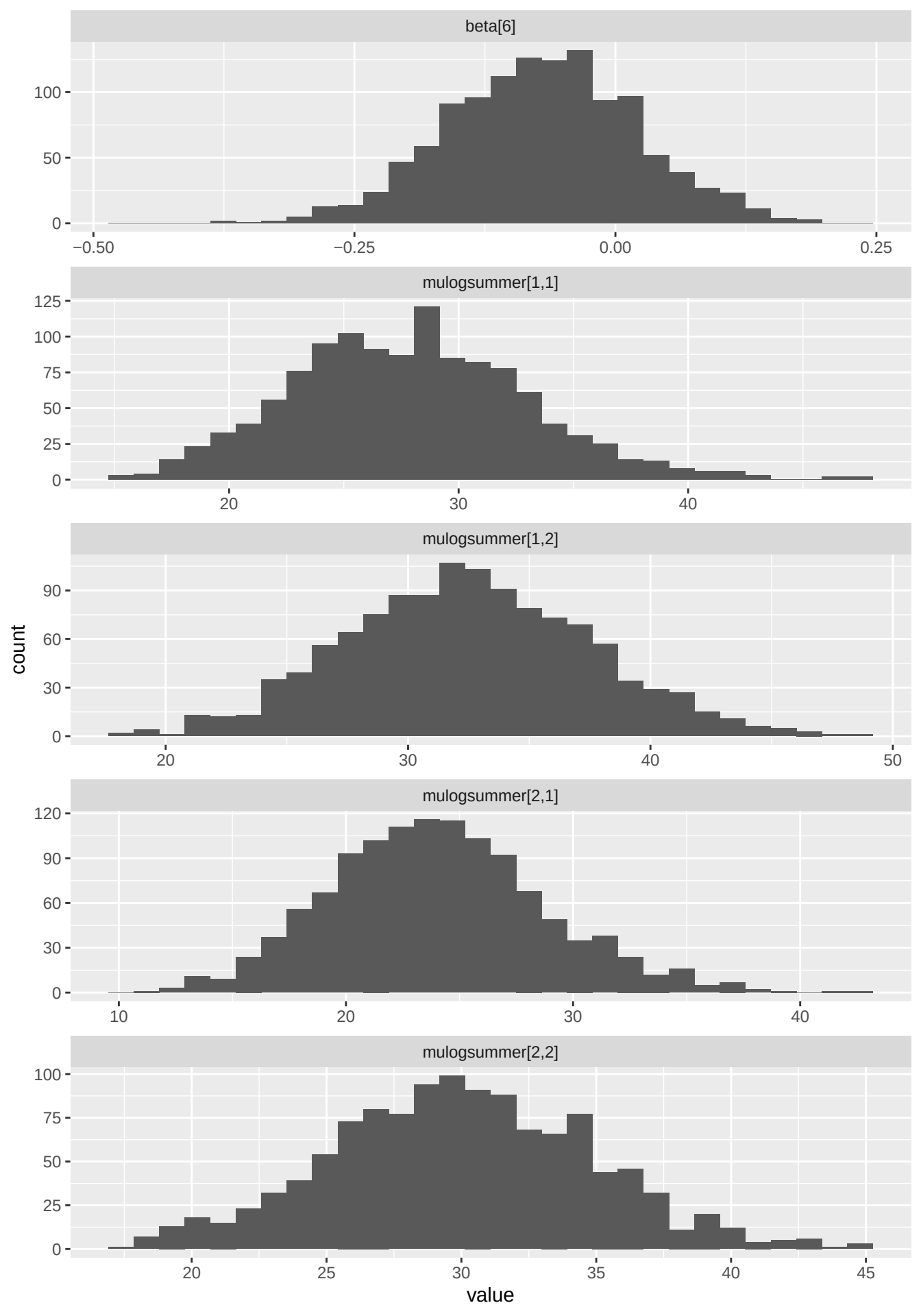
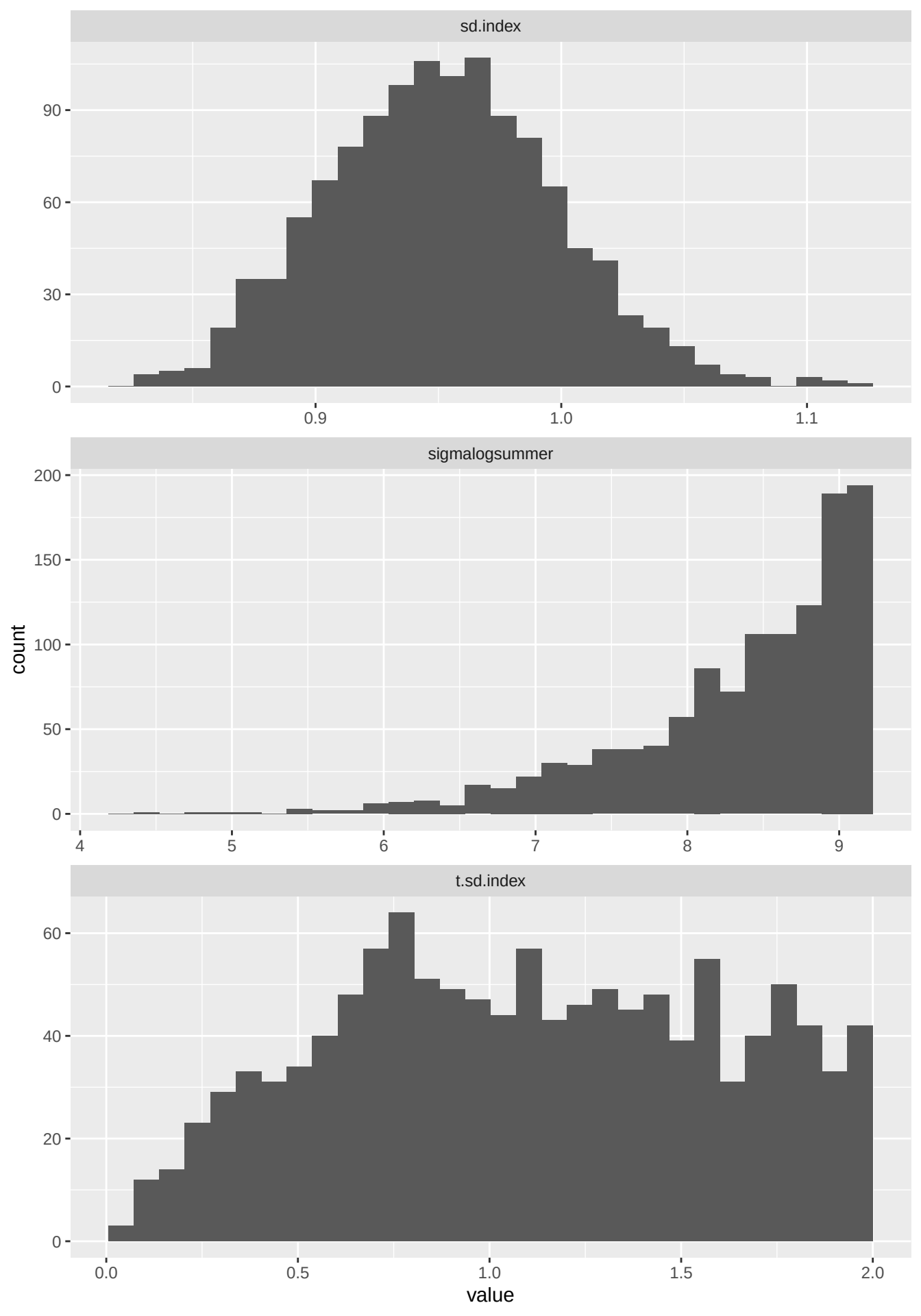
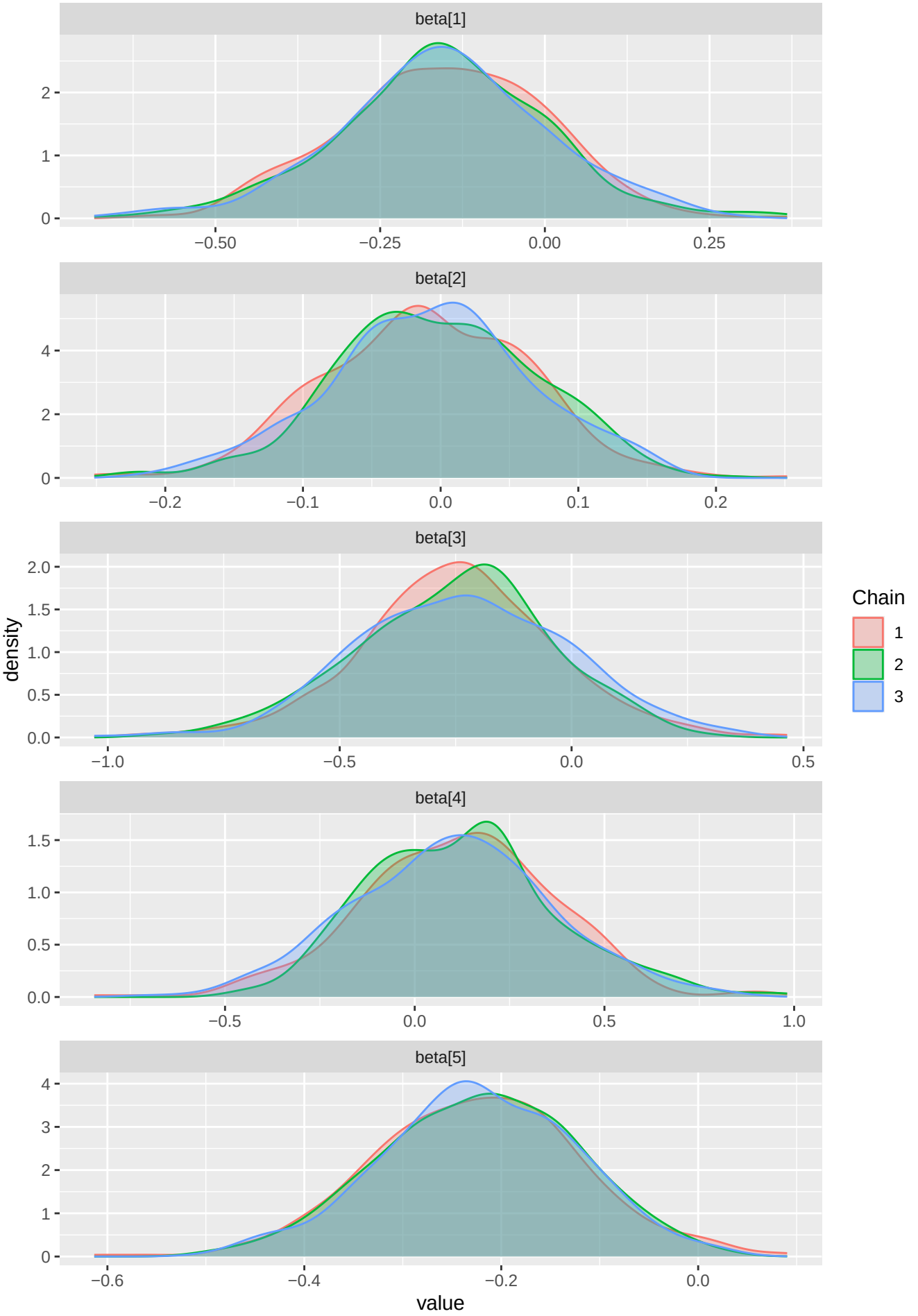
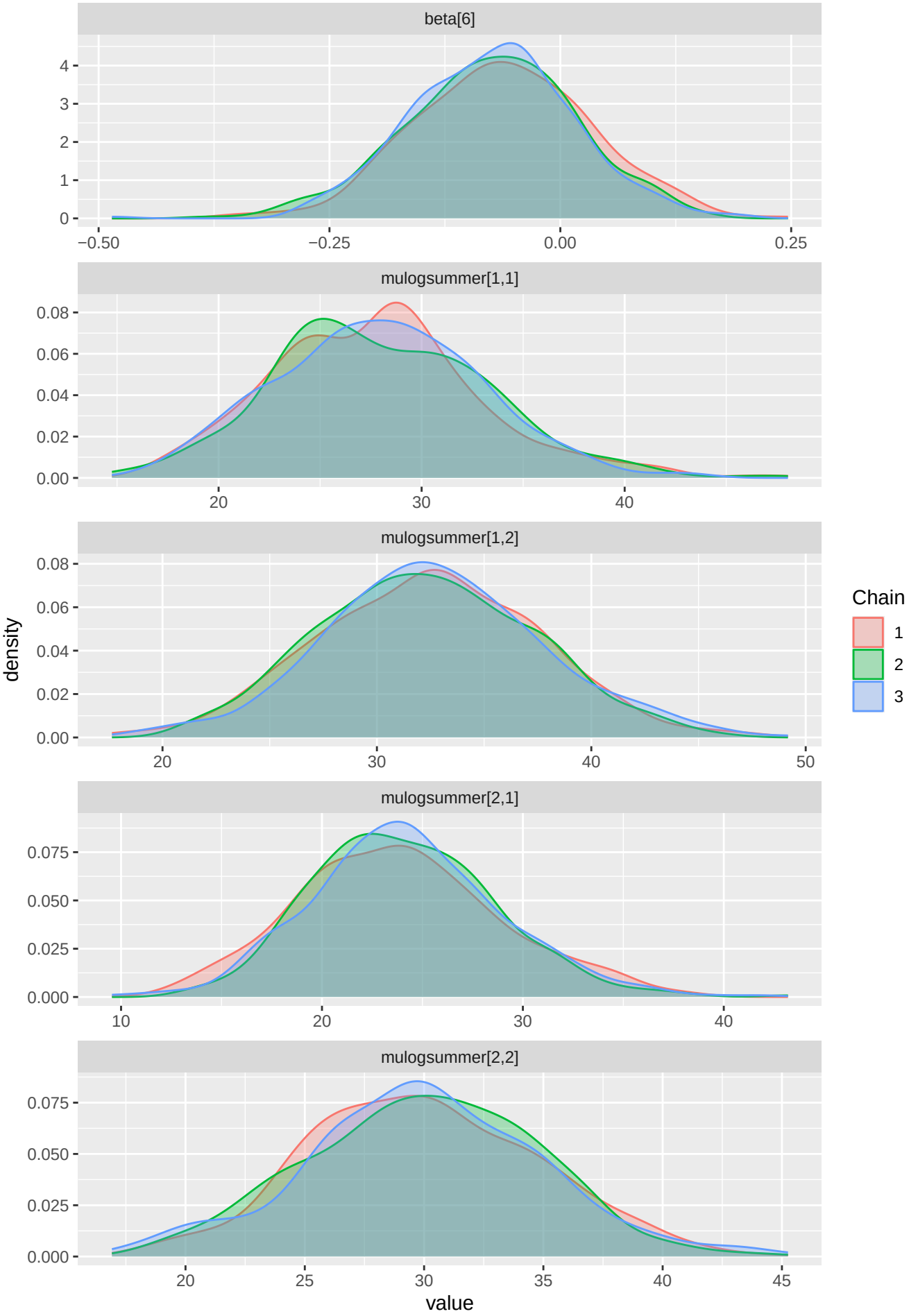
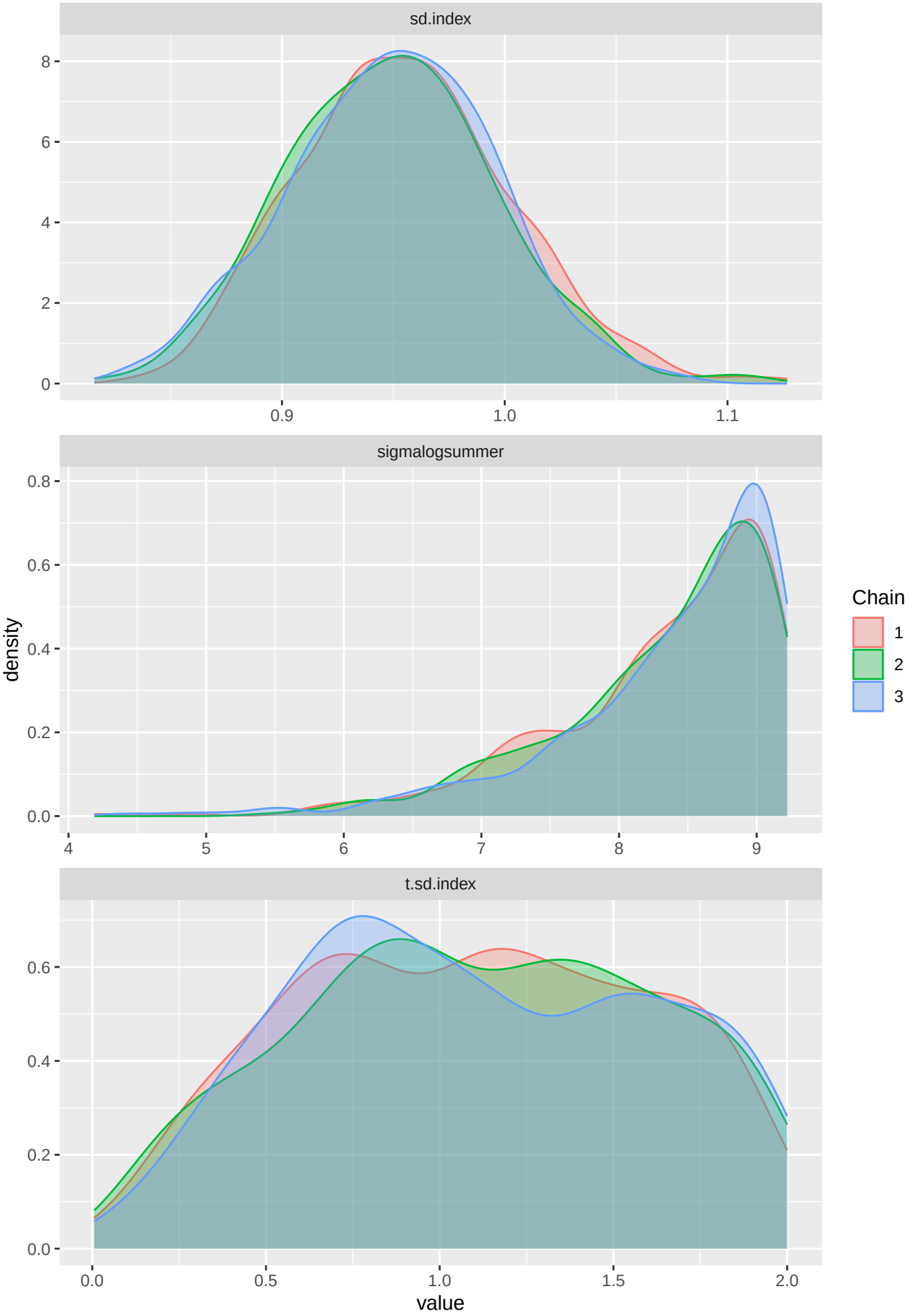

beta[1]
beta[2]
beta[3]
beta[4]
beta[5]
count
value

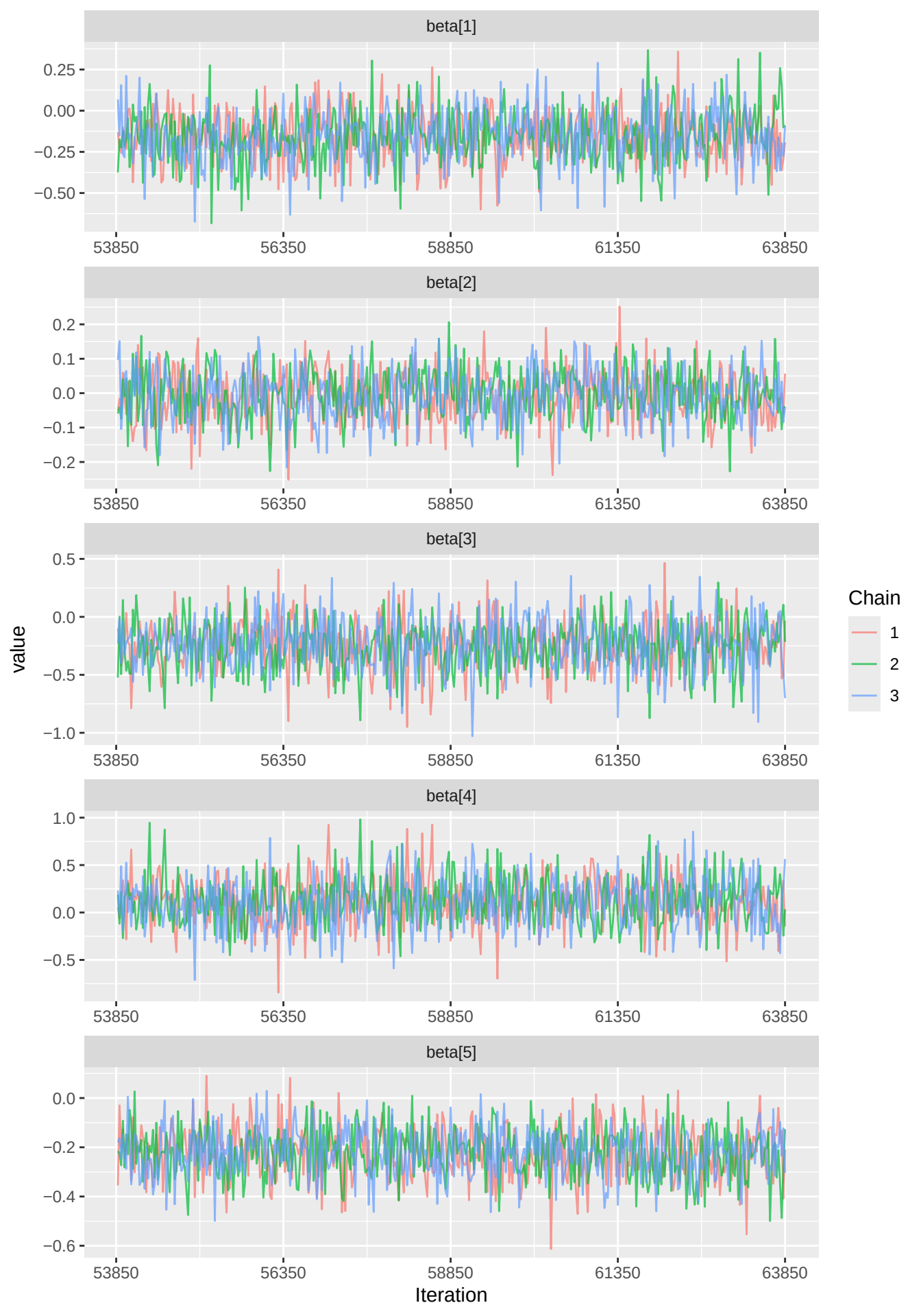

beta[6]
mulogsummer[1,1]
mulogsummer[1,2]
mulogsummer[2,1]
mulogsummer[2,2]
count
value

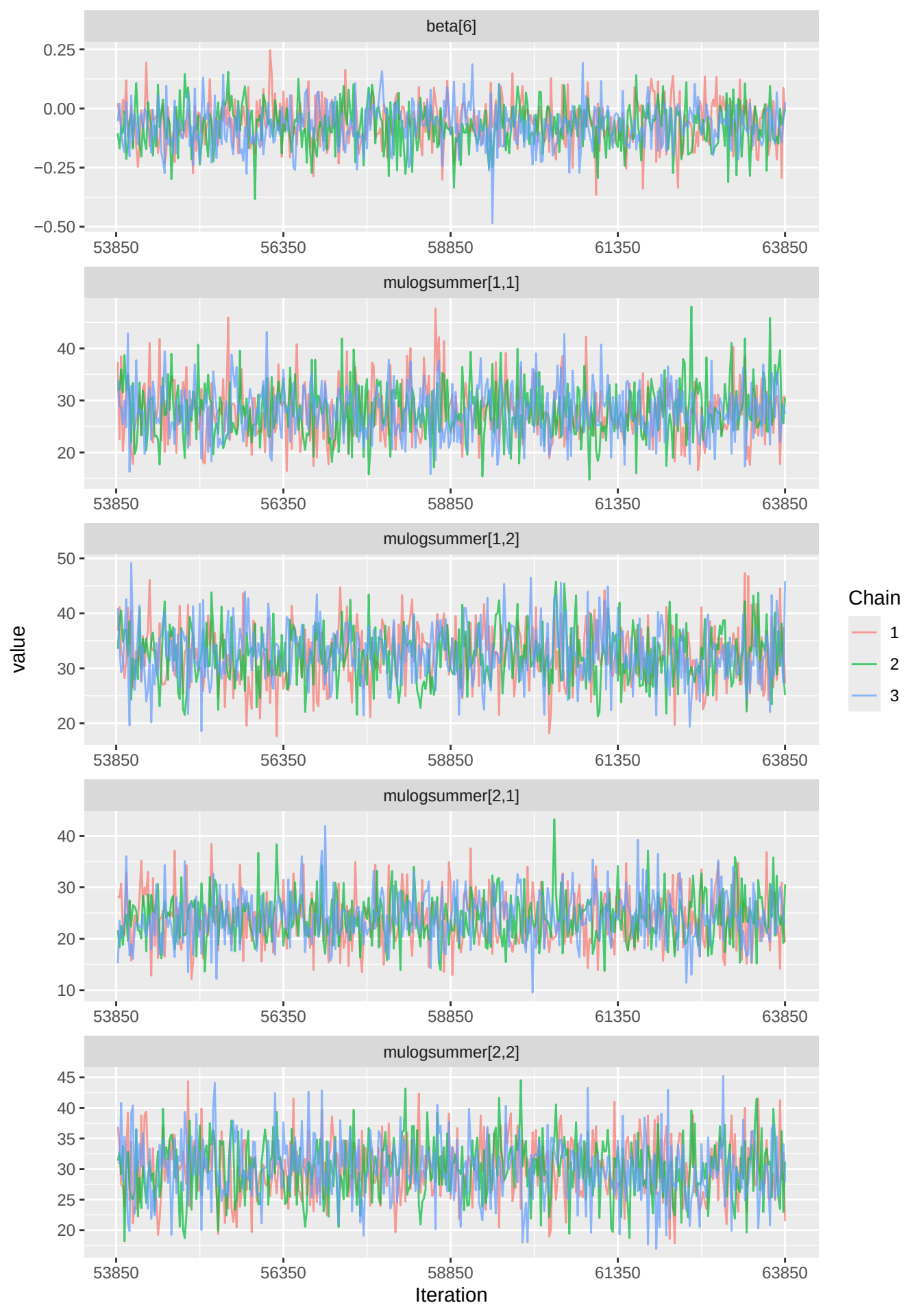

sd.index
90
60
30
0
0.9
1.0
1.1
sigmalogsummer
200
150
100
50
0
count
4
5
6
7
8
9
t.sd.index
60
40
20
0
0.0
0.5
1.0
1.5
2.0
value

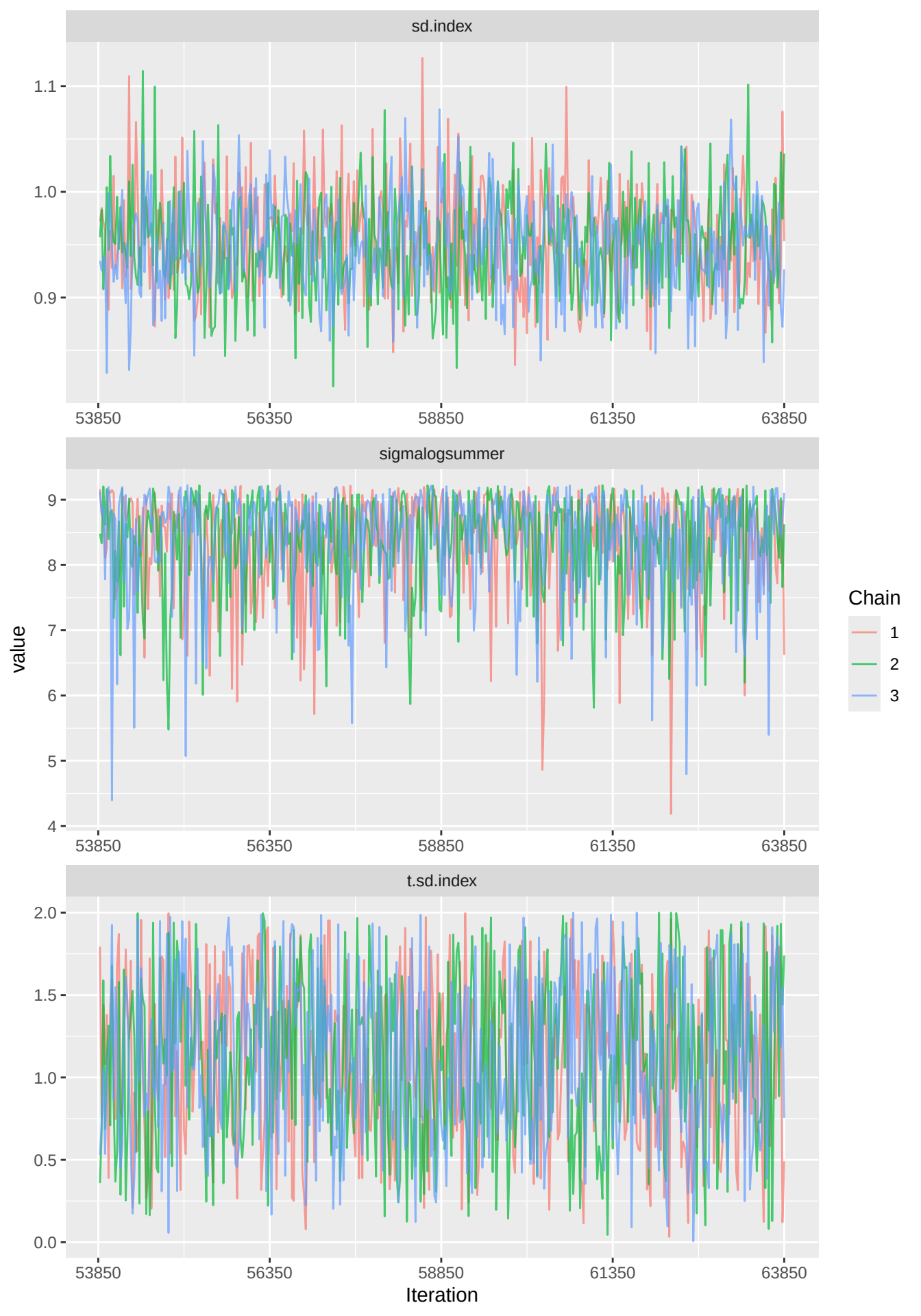

beta[1]
beta[2]
beta[3]
beta[4]
beta[5]
density
value
Chain
1
2
3

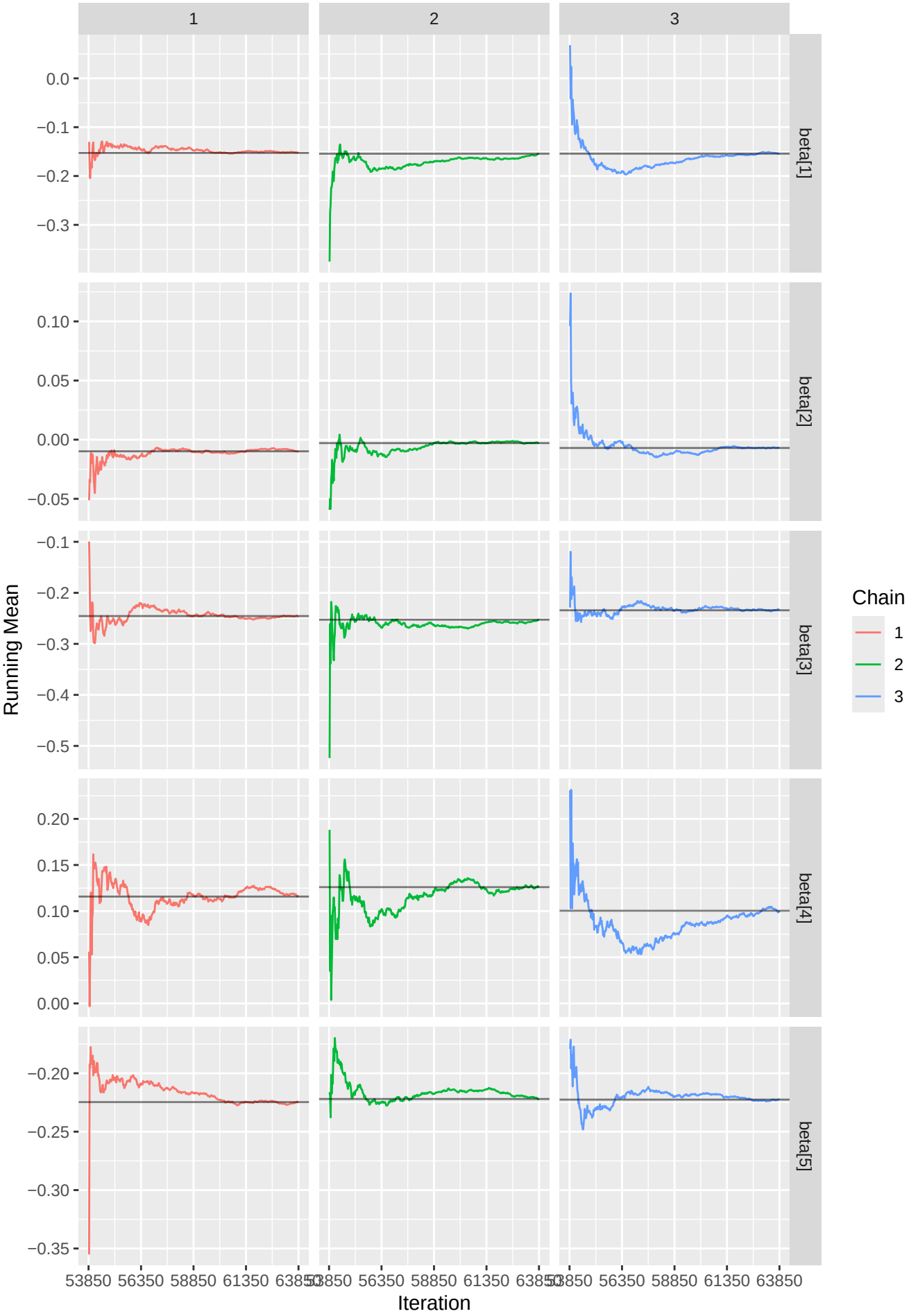

beta[6]
mulogsummer[1,1]
mulogsummer[1,2]
mulogsummer[2,1]
mulogsummer[2,2]
density
value
Chain
1
2
3

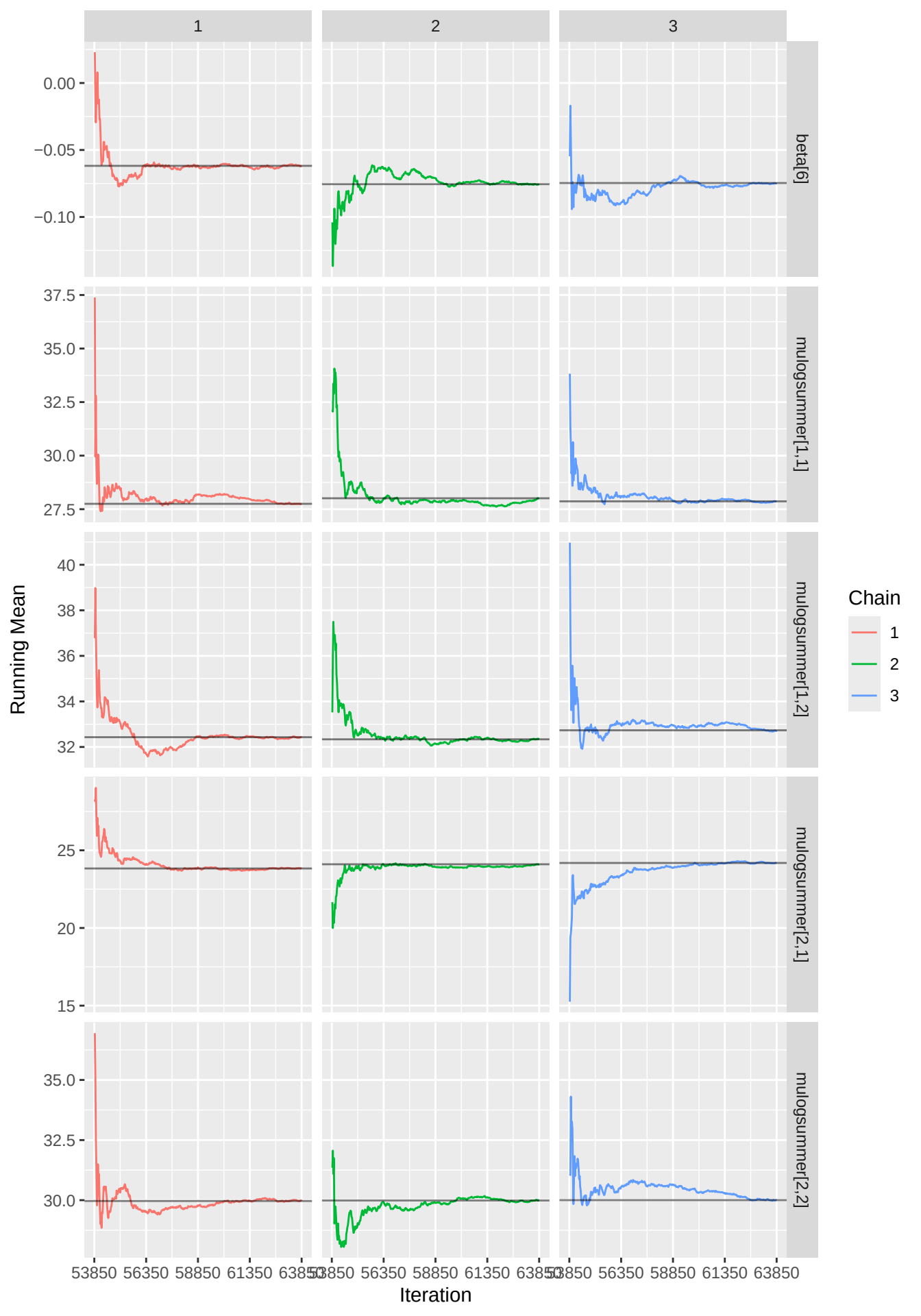

sd.index
sigmalogsummer
t.sd.index
density
value
Chain
1
2
3

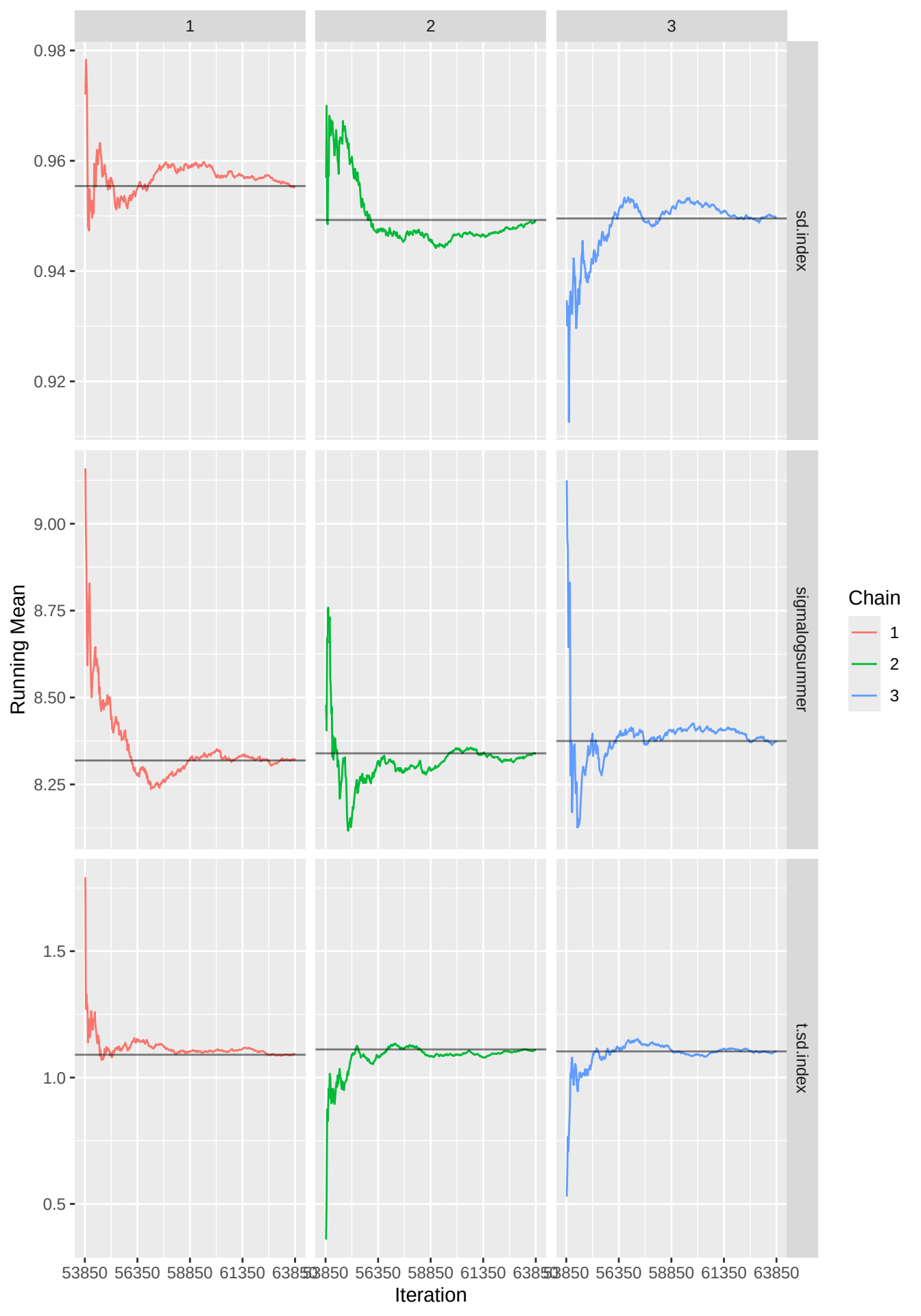

beta[1]
beta[2]
beta[3]
beta[4]
beta[5]
value
Iteration
Chain
1
2
3
53850
56350
58850
61350
63850

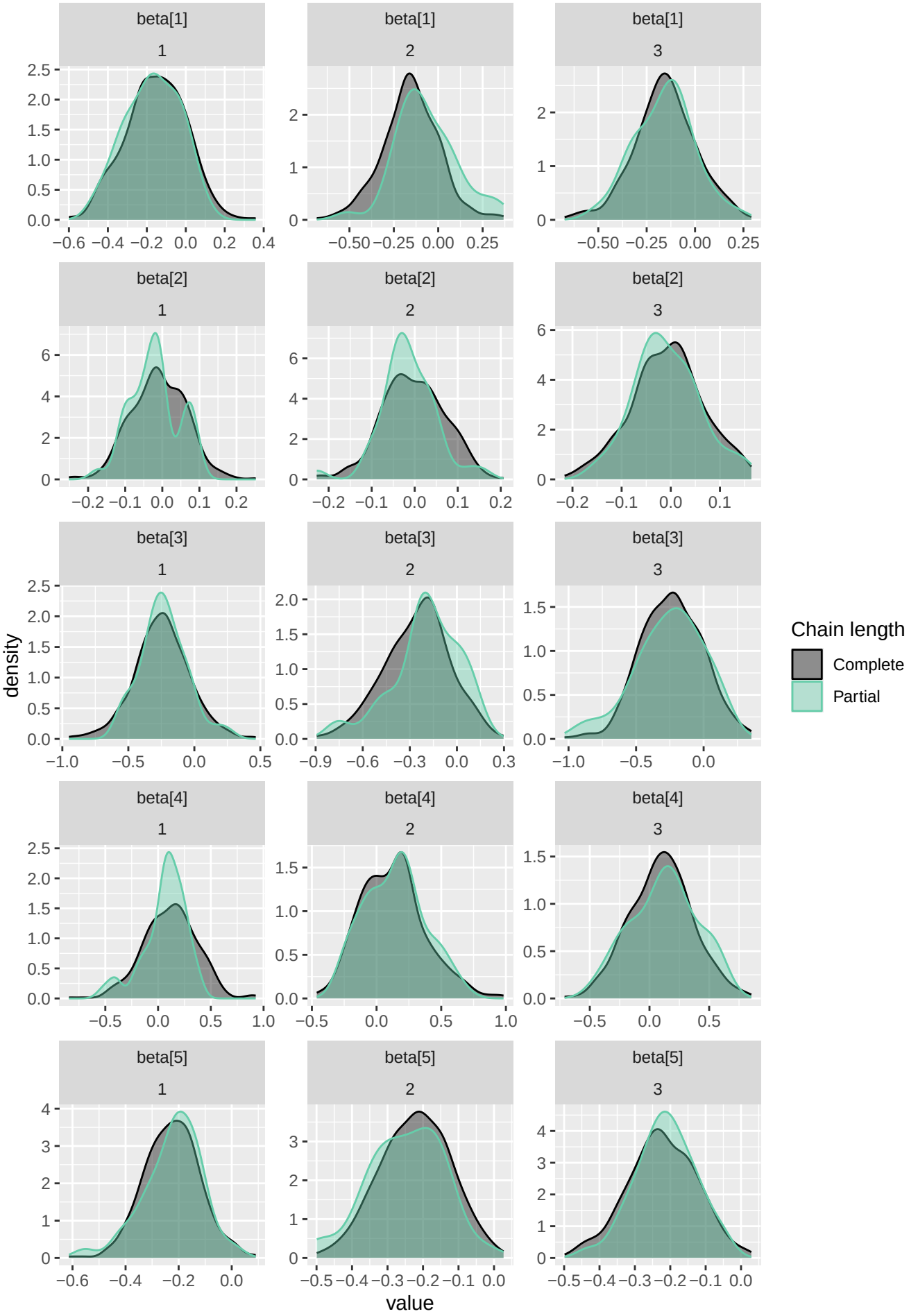

beta[6]
mulogsummer[1,1]
mulogsummer[1,2]
mulogsummer[2,1]
mulogsummer[2,2]
value
Iteration
Chain
1
2
3
53850
56350
58850
61350
63850

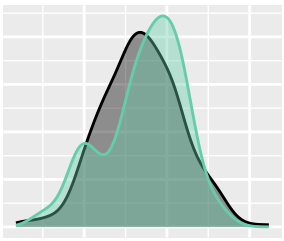
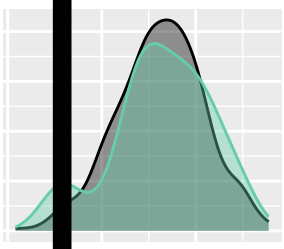
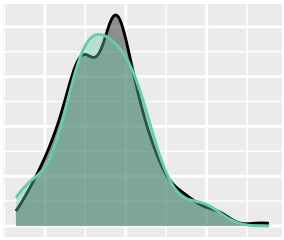
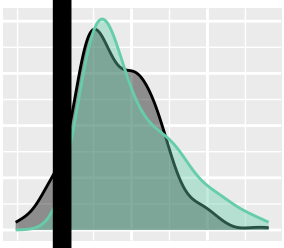
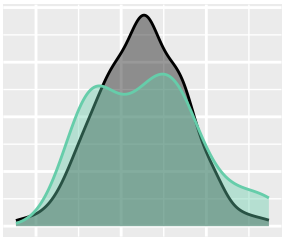
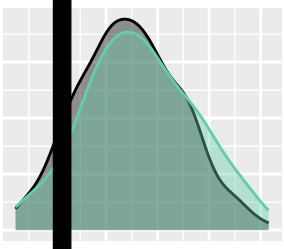
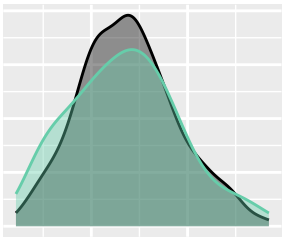
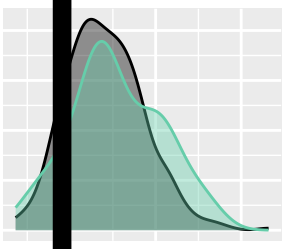
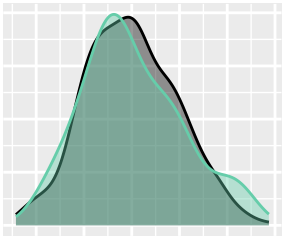
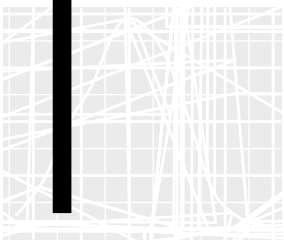

sd.index
1.1
1.0
0.9
53850
56350
58850
61350
63850
sigmalogsummer
9
8
7
6
5
4
value
53850
56350
58850
61350
63850
Chain
1
2
3
t.sd.index
2.0
1.5
1.0
0.5
0.0
53850
56350
58850
61350
63850
Iteration

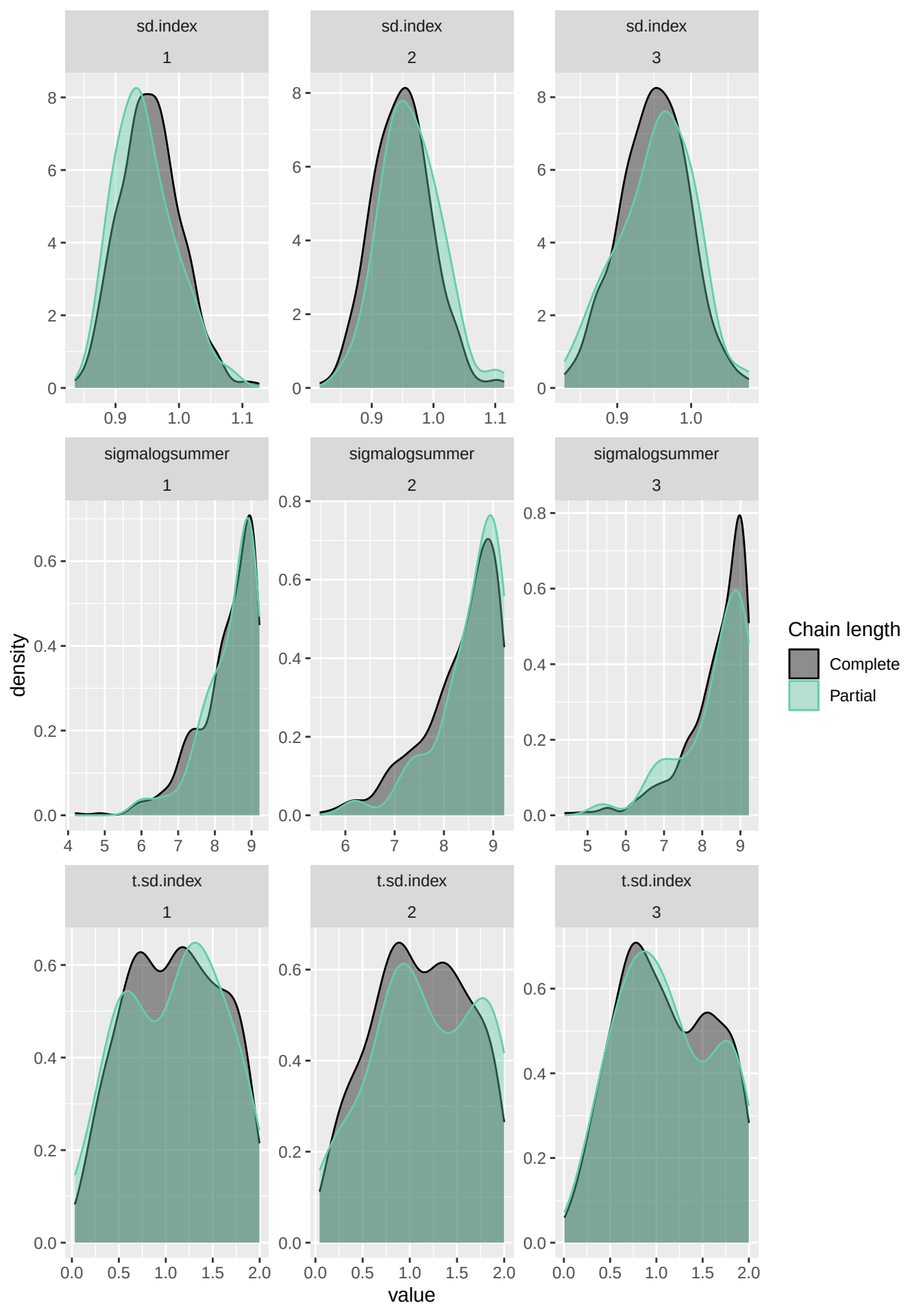

1
2
3
beta[1]
beta[2]
beta[3]
beta[4]
beta[5]
Running Mean
Iteration
Chain
1
2
3
53850 56350 58850 61350 63850

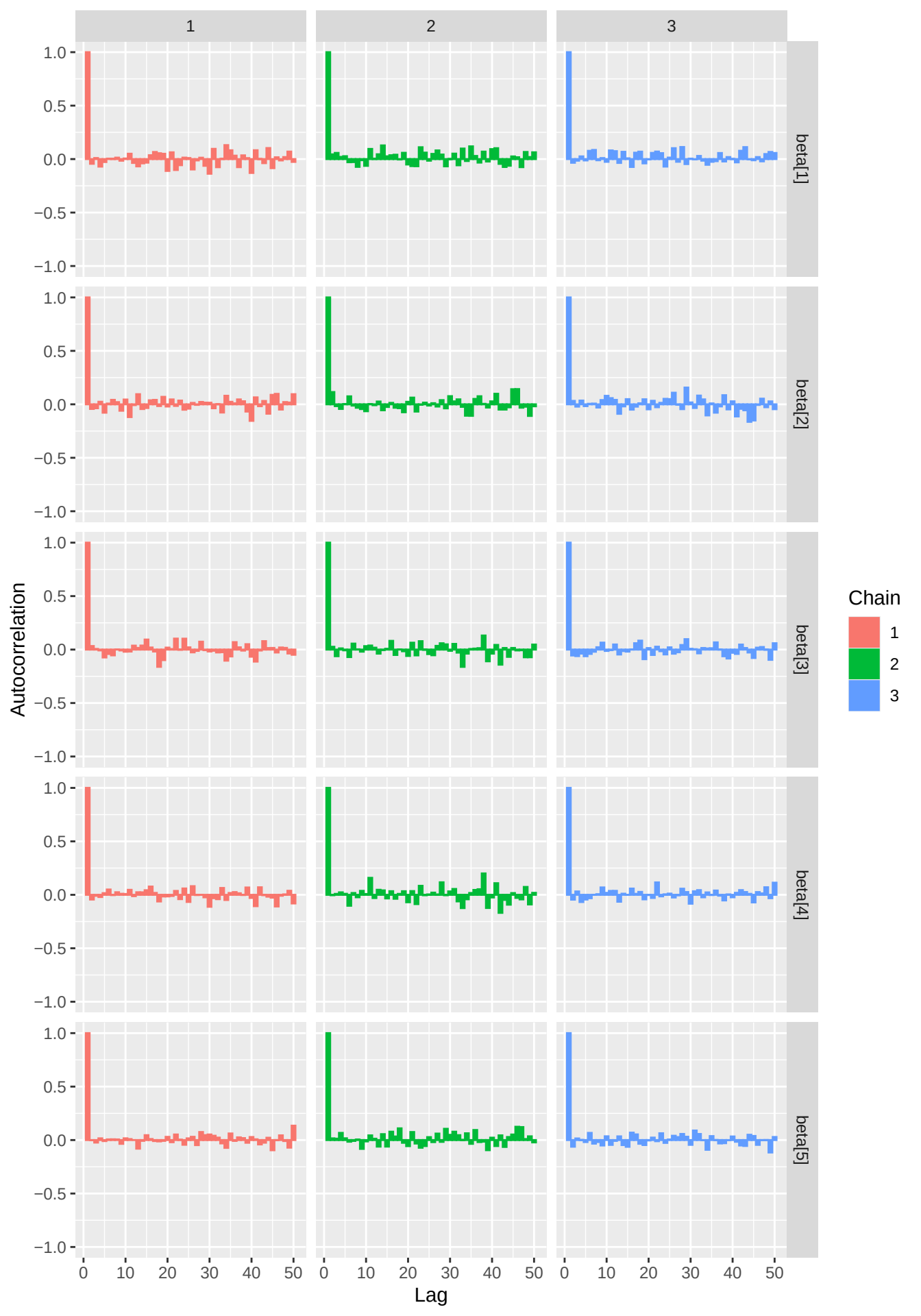

1
2
3
beta[6]
mulogsummer[1,1]
mulogsummer[1,2]
mulogsummer[2,1]
mulogsummer[2,2]
Running Mean
Iteration
Chain
1
2
3
0.00
−0.05
−0.10
37.5
35.0
32.5
30.0
27.5
40
38
36
34
32
25
20
15
35.0
32.5
30.0
53850
56350
58850
61350
63850

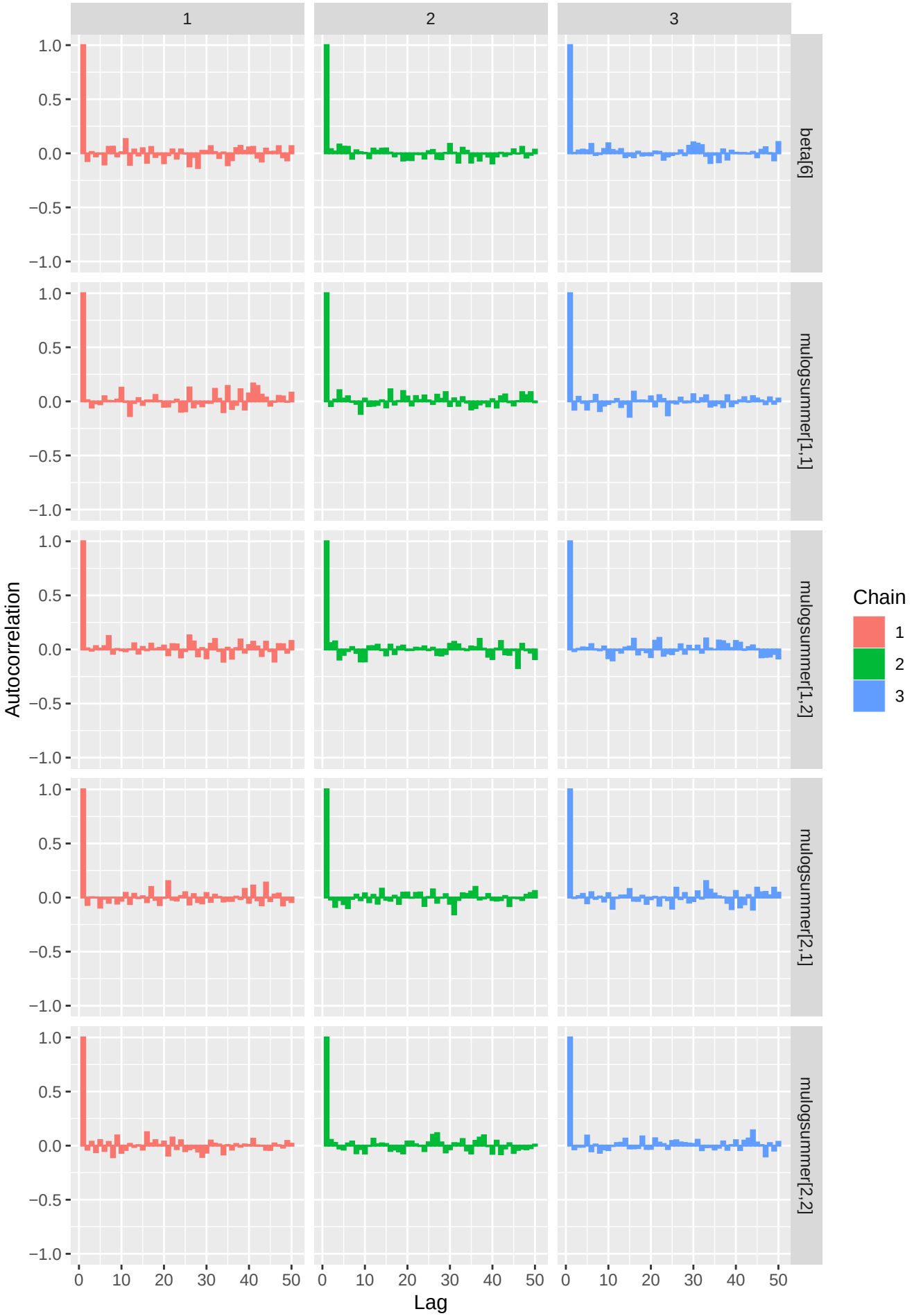

1
2
3
sd.index
sigmalogsummer
t.sd.index
Running Mean
Iteration
Chain
1
2
3
0.98
0.96
0.94
0.92
9.00
8.75
8.50
8.25
1.5
1.0
0.5
53850
56350
58850
61350
63850

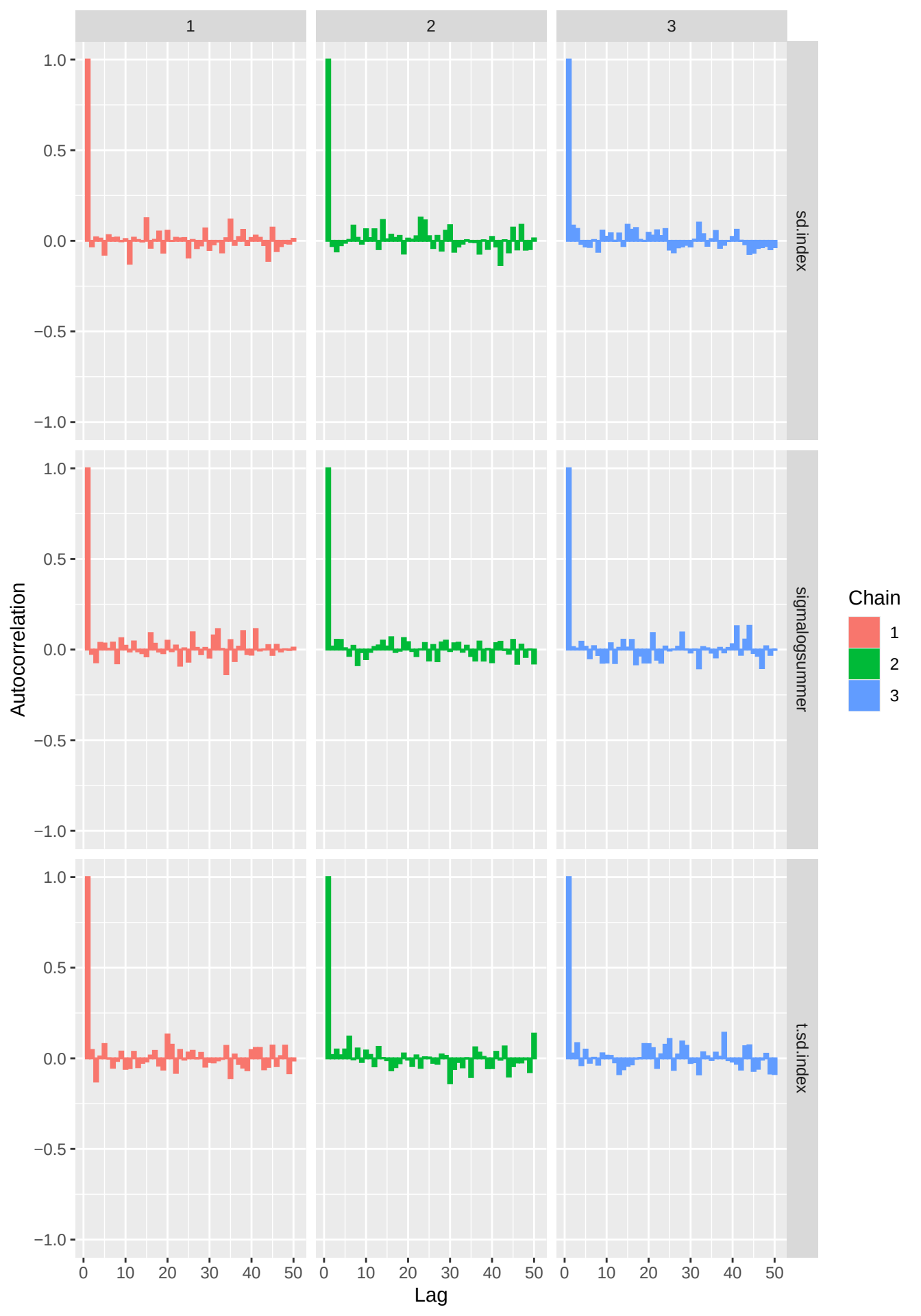

beta[1]
1
beta[1]
2
beta[1]
3
beta[2]
1
beta[2]
2
beta[2]
3
beta[3]
1
beta[3]
2
beta[3]
3
beta[4]
1
beta[4]
2
beta[4]
3
beta[5]
1
beta[5]
2
beta[5]
3
density
value
Chain length
Complete
Partial

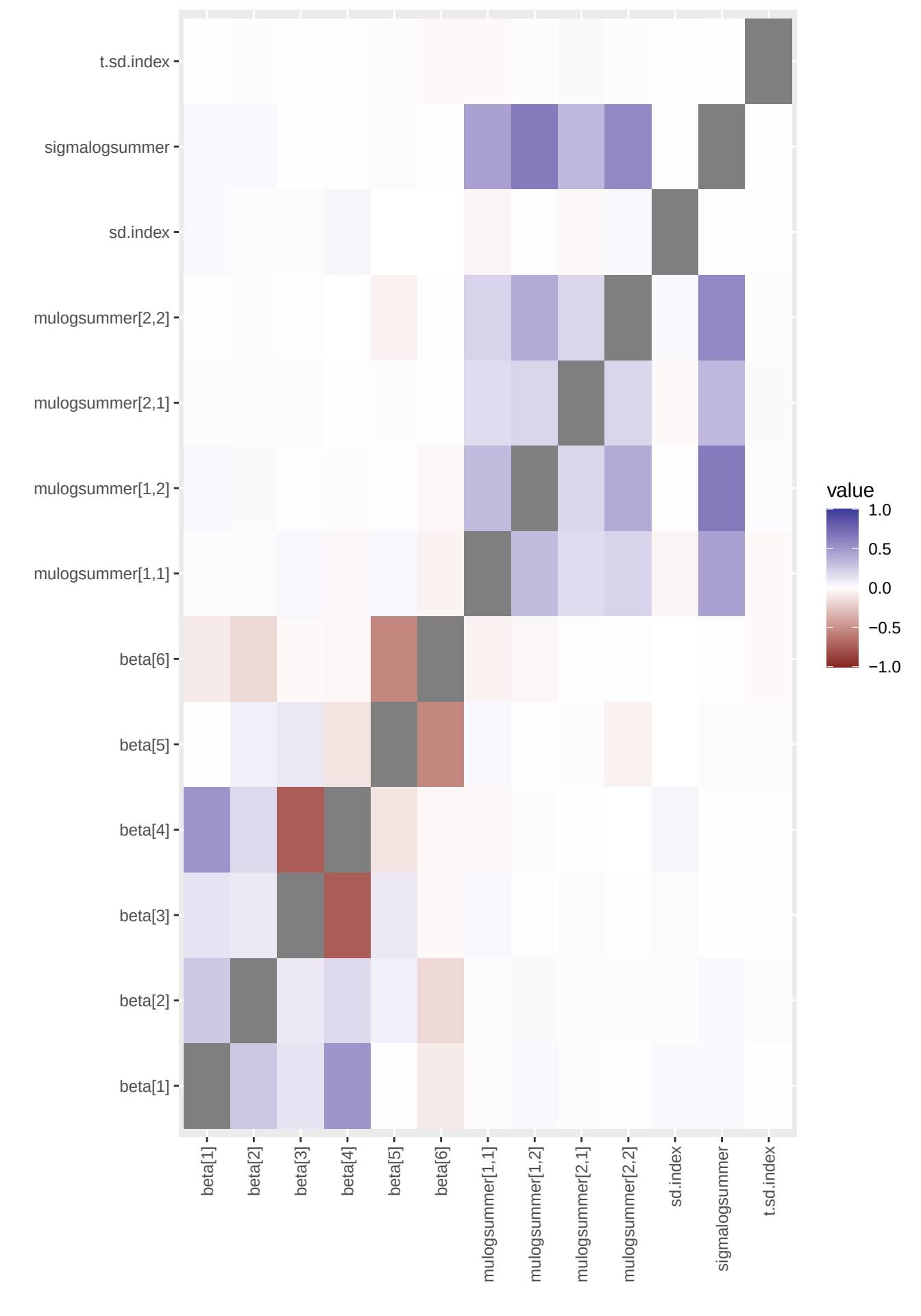











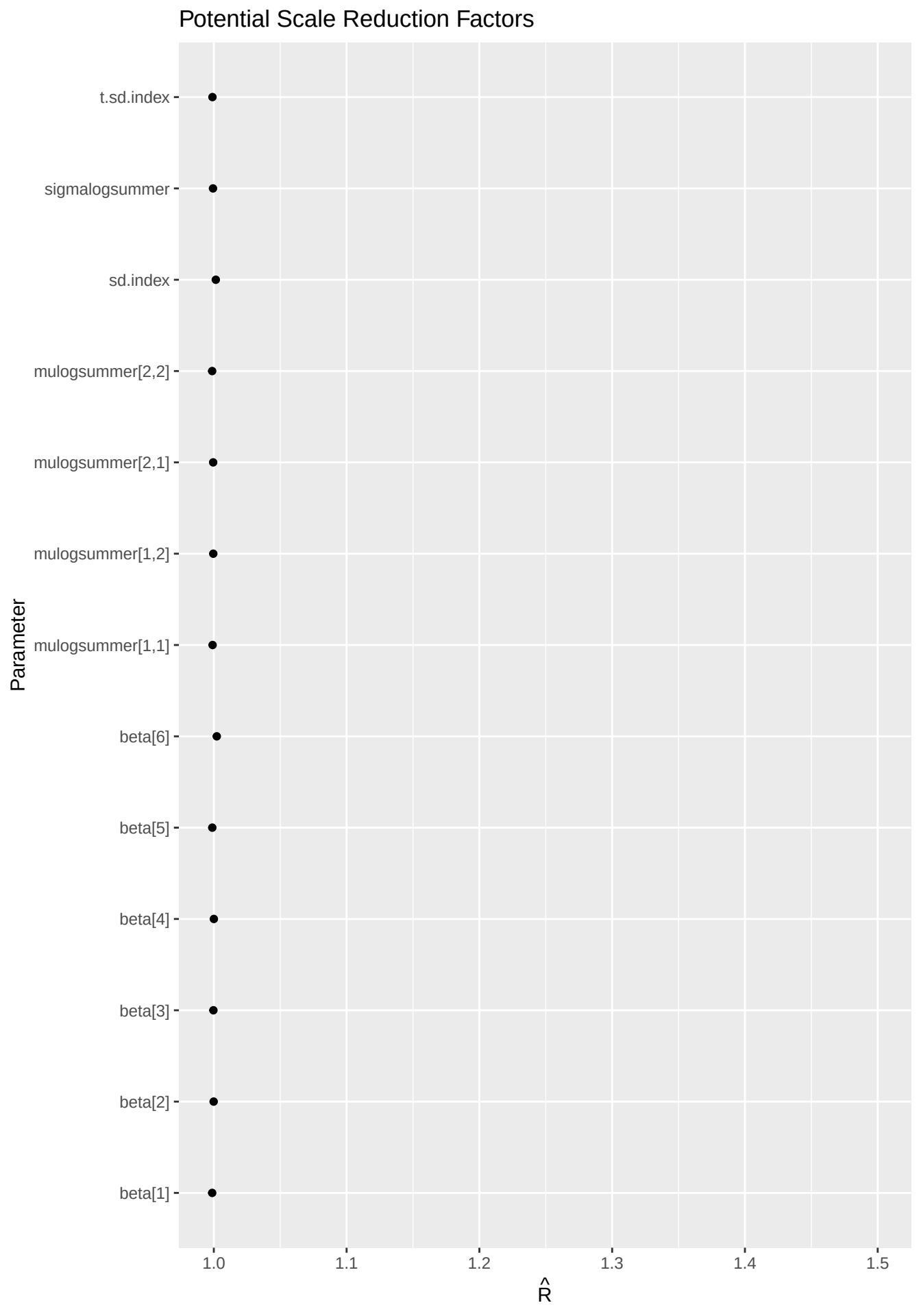

sd.index
1
sd.index
2
sd.index
3
sigmalogsummer
1
sigmalogsummer
2
sigmalogsummer
3
t.sd.index
1
t.sd.index
2
t.sd.index
3
density
value
Chain length
Complete
Partial

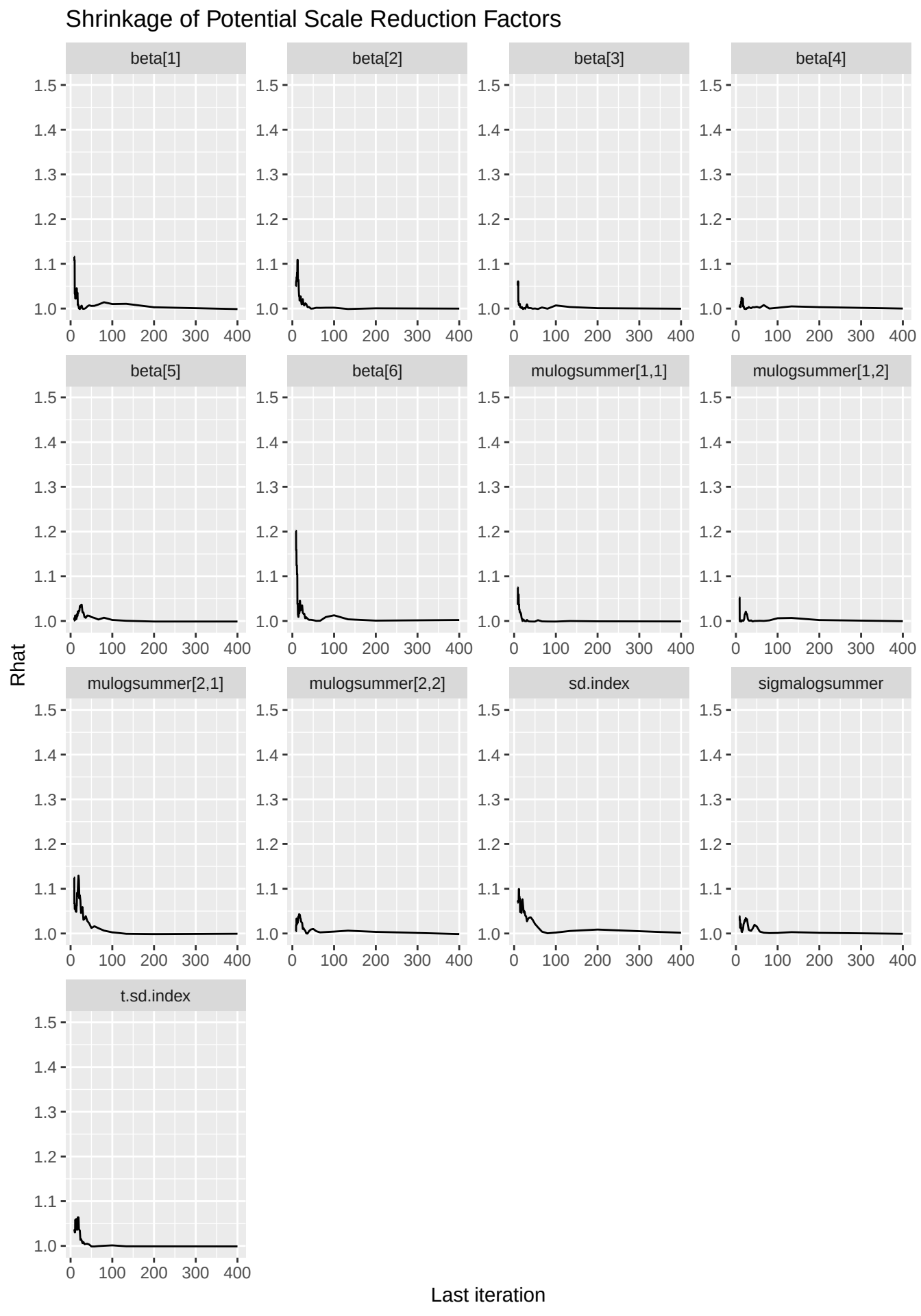

1
2
3
beta[1]
beta[2]
beta[3]
beta[4]
beta[5]
Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50
Lag
Chain
1
2
3

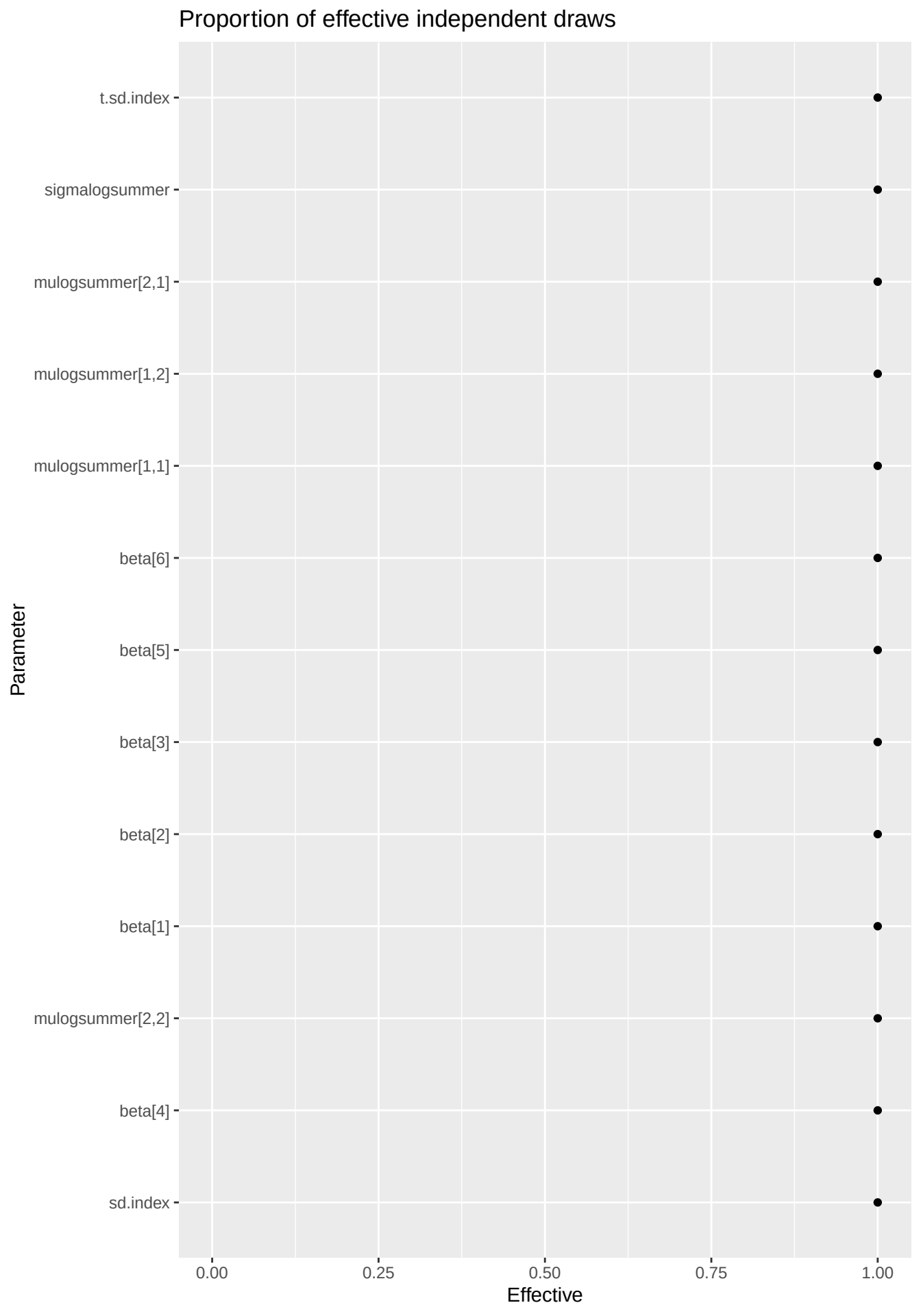

1
2
3
beta[6]
mulogsummer[1,1]
mulogsummer[1,2]
mulogsummer[2,1]
mulogsummer[2,2]
Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50
Lag
Chain
1
2
3

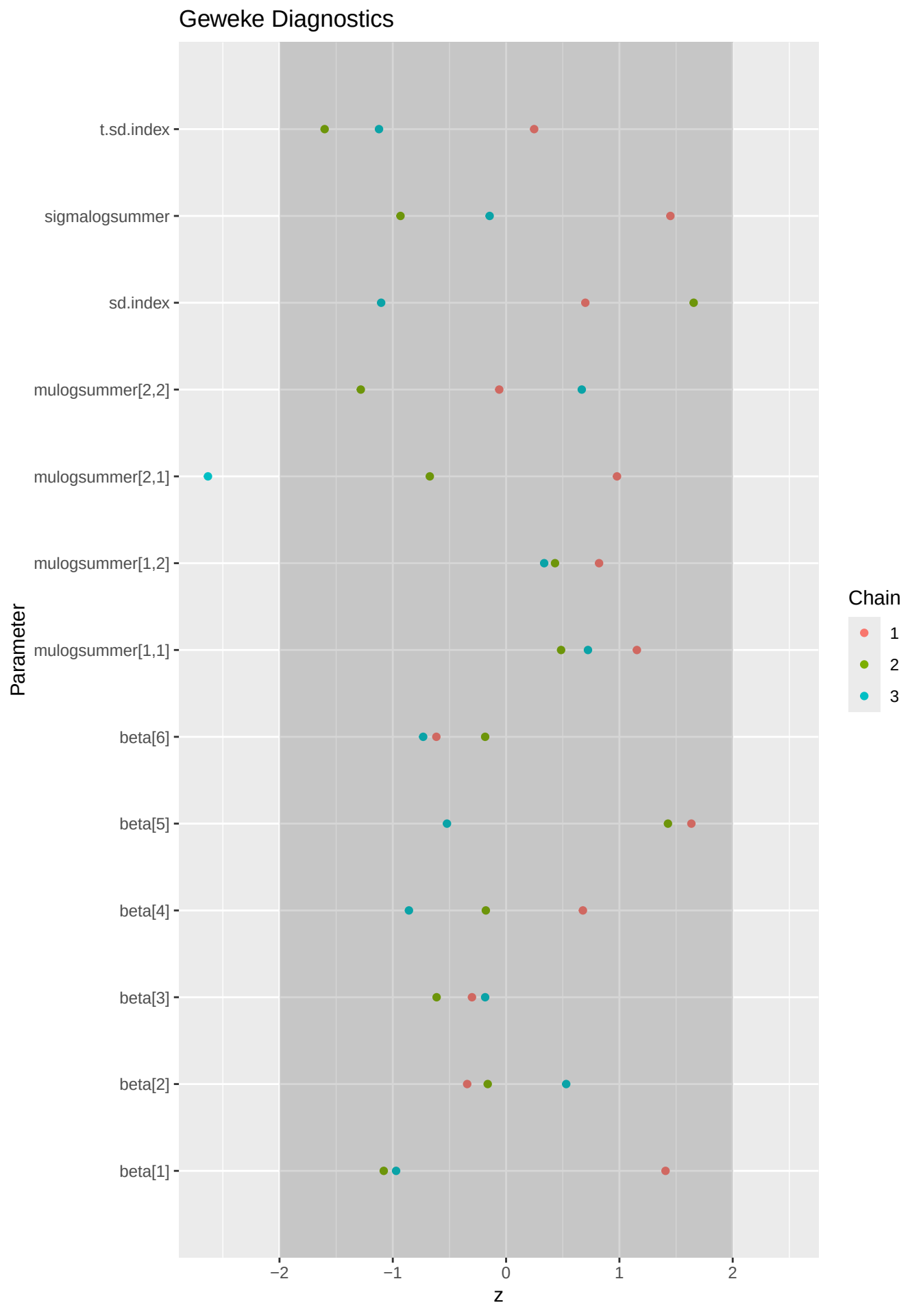

1
2
3
sd.index
sigmalogsummer
t.sd.index
Autocorrelation
Lag
Chain
1
2
3
1.0
0.5
0.0
−0.5
−1.0
0
10
20
30
40
50

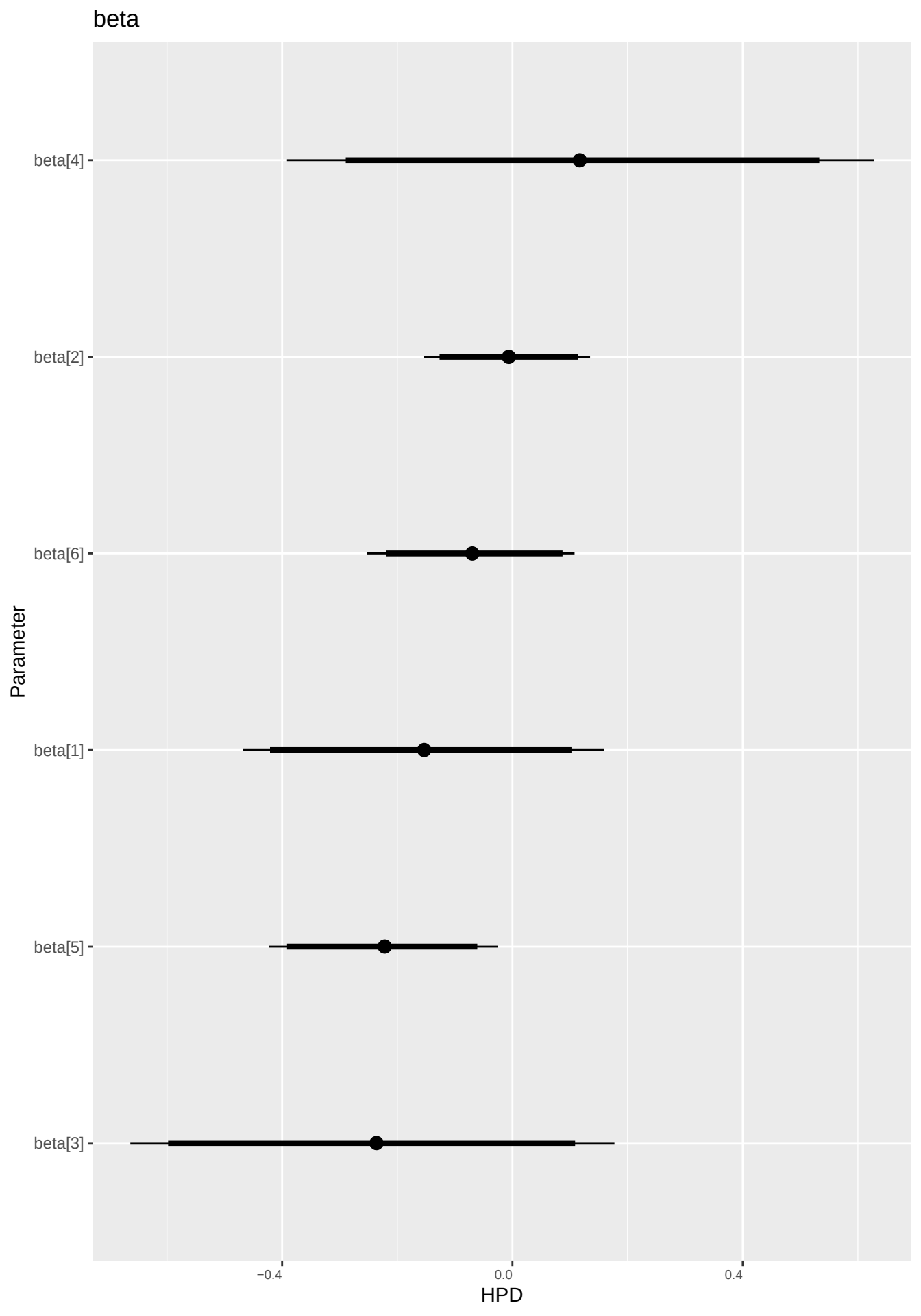

t.sd.index
sigmalogsummer
sd.index
mulogsummer[2,2]
mulogsummer[2,1]
mulogsummer[1,2]
mulogsummer[1,1]
beta[6]
beta[5]
beta[4]
beta[3]
beta[2]
beta[1]
beta[1]
beta[2]
beta[3]
beta[4]
beta[5]
beta[6]
mulogsummer[1,1]
mulogsummer[1,2]
mulogsummer[2,1]
mulogsummer[2,2]
sd.index
sigmalogsummer
t.sd.index
value
1.0
0.5
0.0
−0.5
−1.0

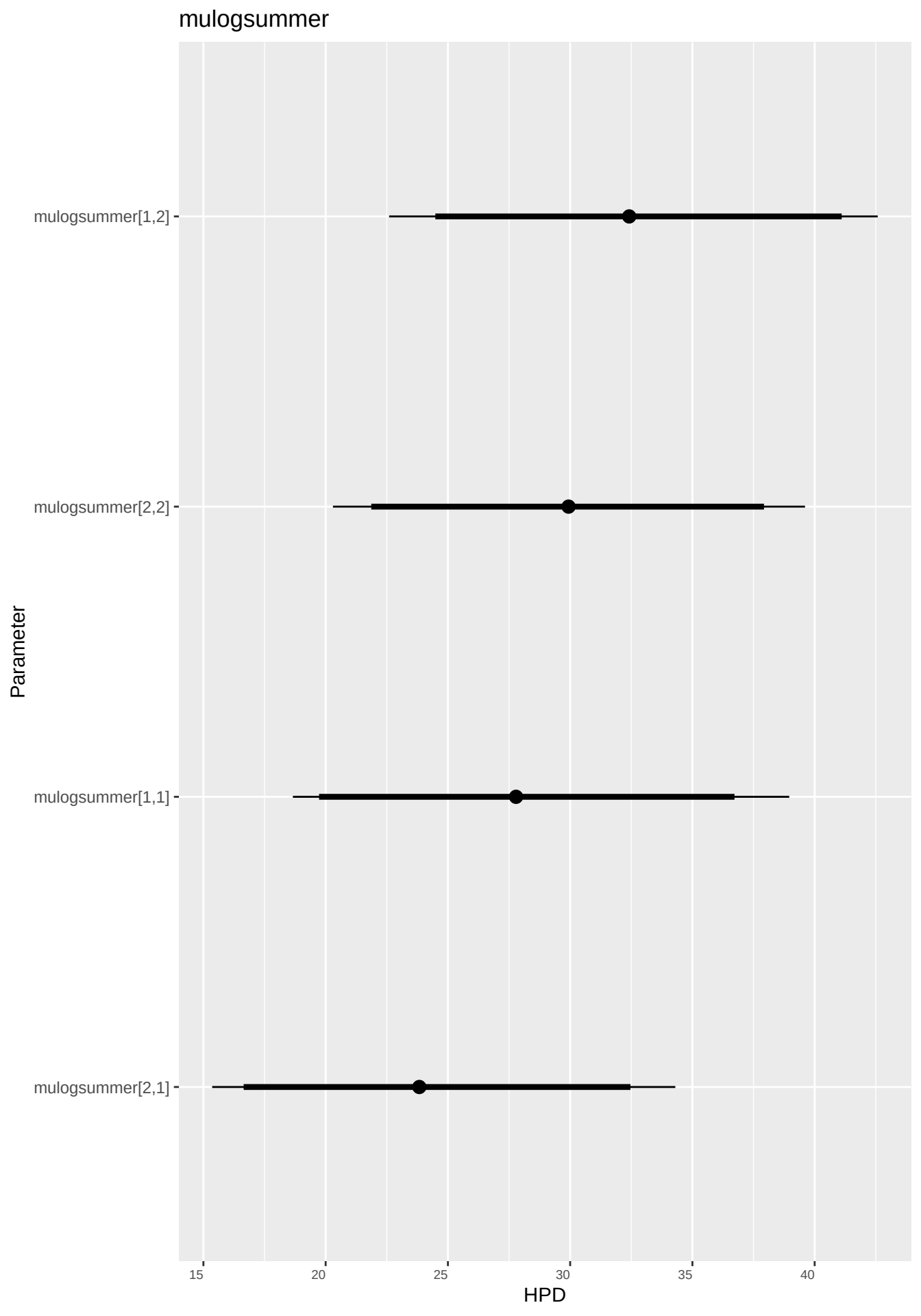

Potential Scale Reduction Factors
t.sd.index
sigmalogsummer
sd.index
mulogsummer[2,2]
mulogsummer[2,1]
mulogsummer[1,2]
mulogsummer[1,1]
beta[6]
beta[5]
beta[4]
beta[3]
beta[2]
beta[1]
Parameter
1.0
1.1
1.2
1.3
1.4
1.5
R̂


Shrinkage of Potential Scale Reduction Factors
beta[1]
beta[2]
beta[3]
beta[4]
beta[5]
beta[6]
mulogsummer[1,1]
mulogsummer[1,2]
mulogsummer[2,1]
mulogsummer[2,2]
sd.index
sigmalogsummer
t.sd.index
Rhat
Last iteration
1.0
1.1
1.2
1.3
1.4
1.5
0
100
200
300
400


Proportion of effective independent draws
t.sd.index
sigmalogsummer
mulogsummer[2,1]
mulogsummer[1,2]
mulogsummer[1,1]
beta[6]
beta[5]
beta[3]
beta[2]
beta[1]
mulogsummer[2,2]
beta[4]
sd.index
Parameter
0.00
0.25
0.50
0.75
1.00
Effective


Geweke Diagnostics
t.sd.index
sigmalogsummer
sd.index
mulogsummer[2,2]
mulogsummer[2,1]
mulogsummer[1,2]
mulogsummer[1,1]
beta[6]
beta[5]
beta[4]
beta[3]
beta[2]
beta[1]
Parameter
−2
−1
0
1
2
z
Chain
1
2
3


beta
beta[4]
beta[2]
beta[6]
beta[1]
beta[5]
beta[3]
Parameter
−0.4
0.0
0.4
HPD


mulogsummer
mulogsummer[1,2]
mulogsummer[2,2]
mulogsummer[1,1]
mulogsummer[2,1]
Parameter
15
20
25
30
35
40
HPD