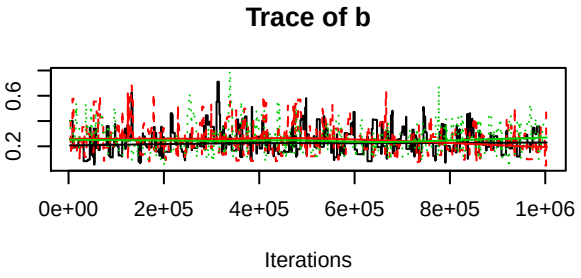
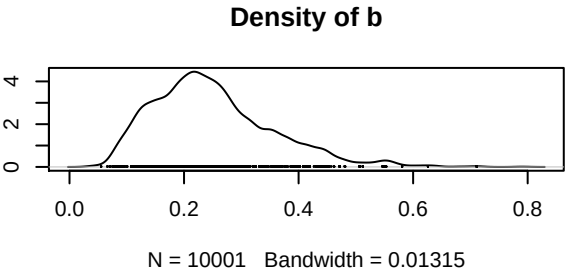
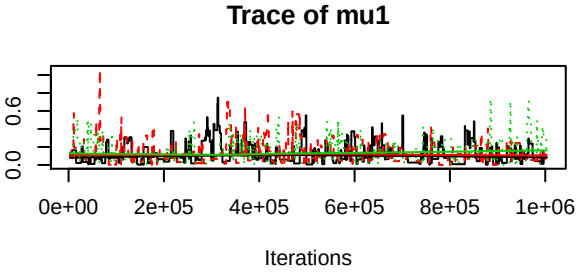
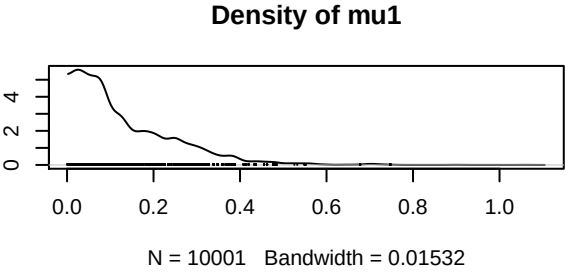
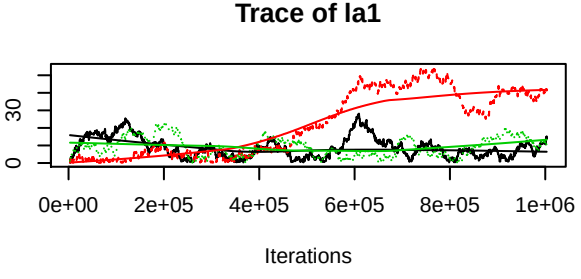
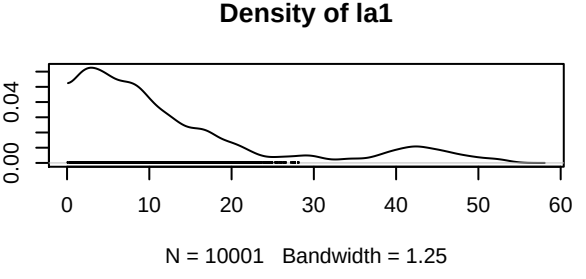

Trace of b
0.2
0.6
0e+00
2e+05
4e+05
6e+05
8e+05
1e+06
Iterations

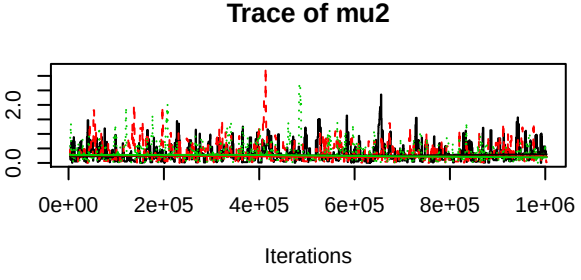

Density of b
0
2
4
0.0
0.2
0.4
0.6
0.8
N = 10001 Bandwidth = 0.01315

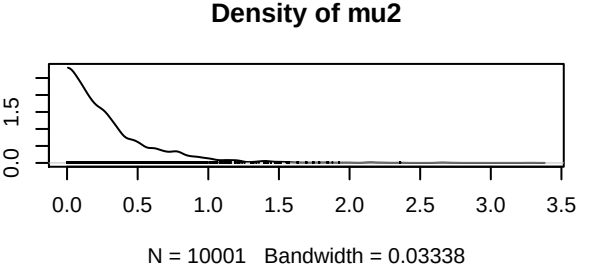

Trace of mu1
0.0
0.6
0e+00
2e+05
4e+05
6e+05
8e+05
1e+06
Iterations

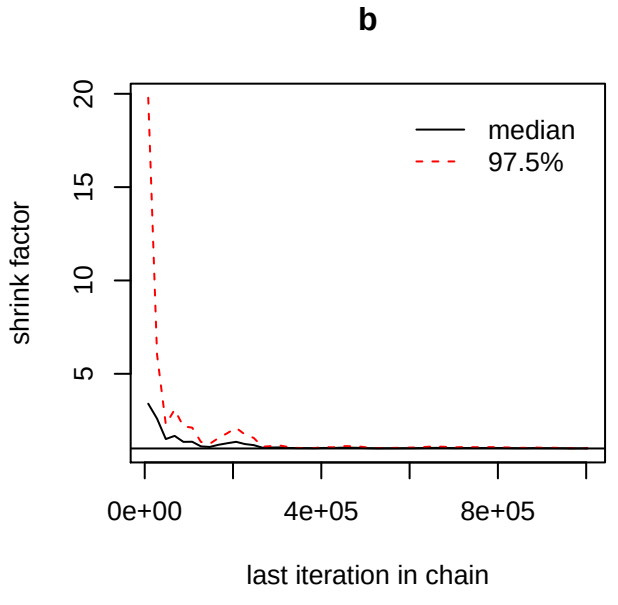

Density of mu1
0
2
4
0.0
0.2
0.4
0.6
0.8
1.0
N = 10001 Bandwidth = 0.01532

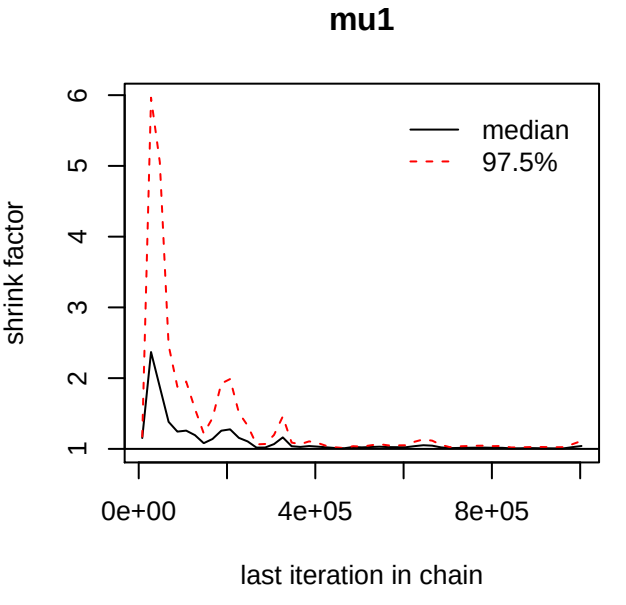

Trace of la1
0
30
0e+00
2e+05
4e+05
6e+05
8e+05
1e+06
Iterations

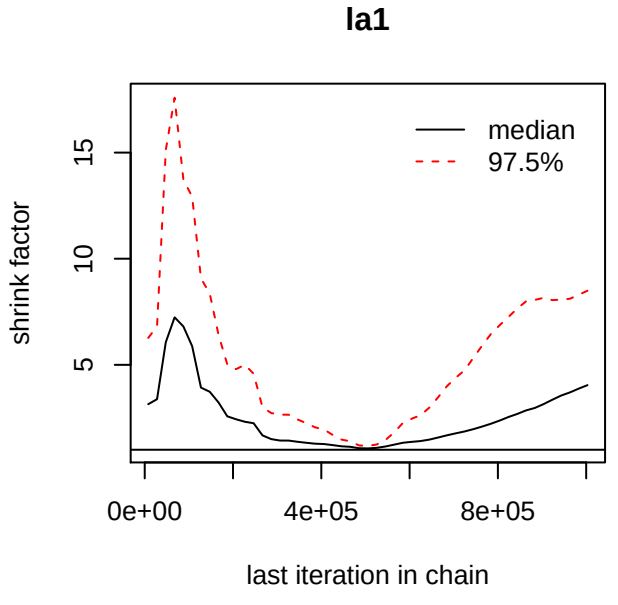

Density of la1
0.00
0.04
0
10
20
30
40
50
60
N = 10001 Bandwidth = 1.25

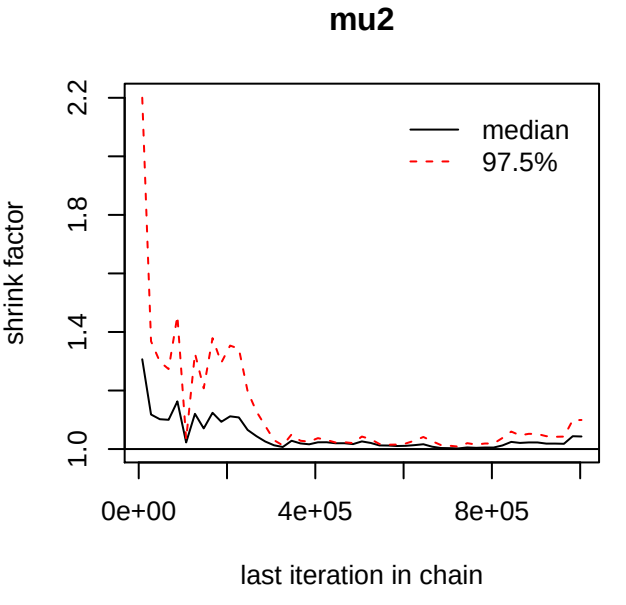

Trace of mu2
0.0
2.0
0e+00
2e+05
4e+05
6e+05
8e+05
1e+06
Iterations


Density of mu2
0.0
1.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
N = 10001 Bandwidth = 0.03338


b
median
97.5%
shrink factor
5
10
15
20
0e+00
4e+05
8e+05
last iteration in chain


mu1
median
97.5%
shrink factor
1
2
3
4
5
6
0e+00
4e+05
8e+05
last iteration in chain


la1
median
97.5%
shrink factor
5
10
15
0e+00
4e+05
8e+05
last iteration in chain

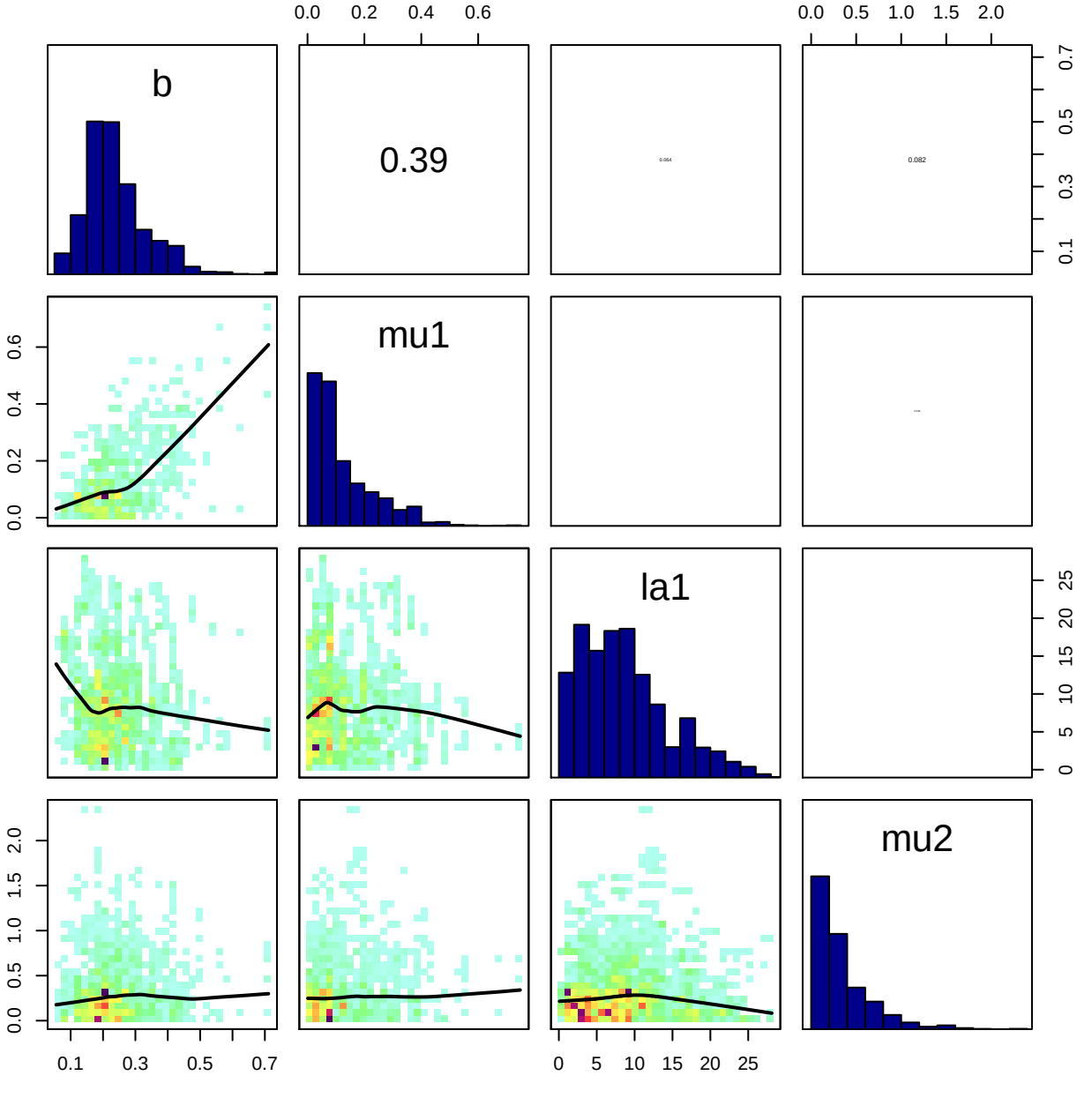

mu2
median
97.5%
shrink factor
1.0
1.4
1.8
2.2
0e+00
4e+05
8e+05
last iteration in chain

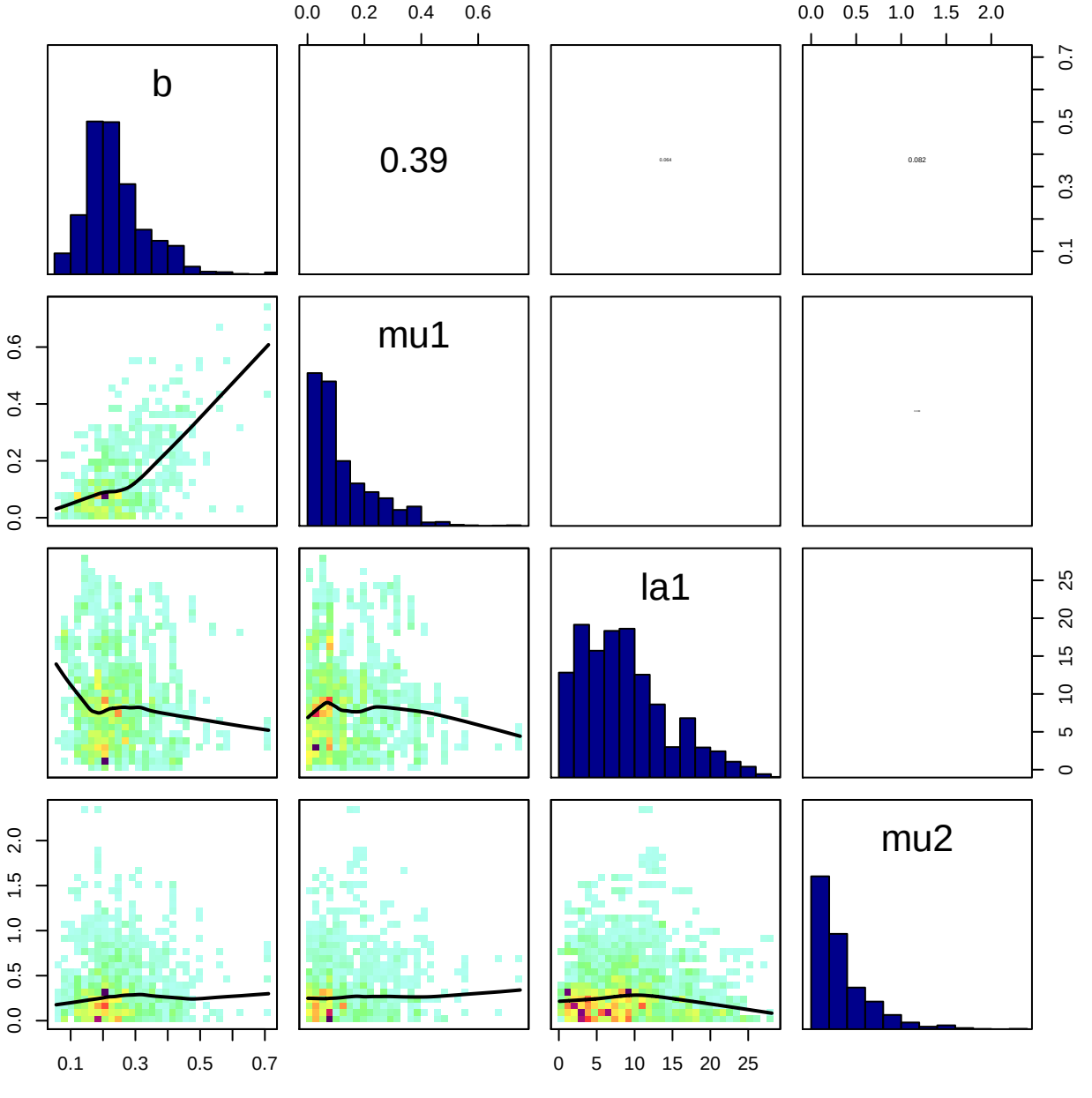
Convergence diagnostics − coda::gelman.diag

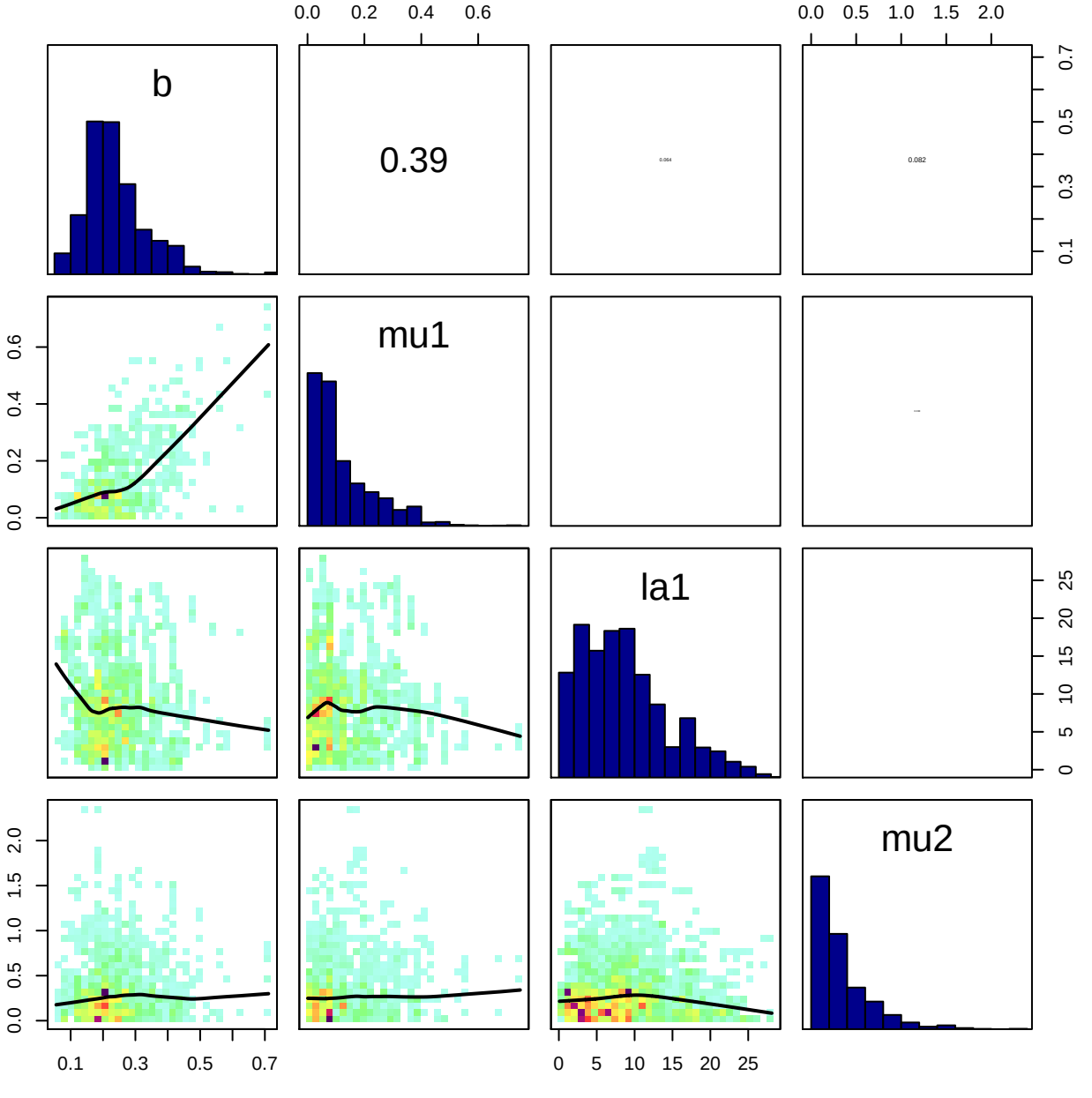
	Point est.	Upper C.I.
b	1.006	1.01
mu1	1.041	1.112
la1	4.044	8.492
mu2	1.043	1.099

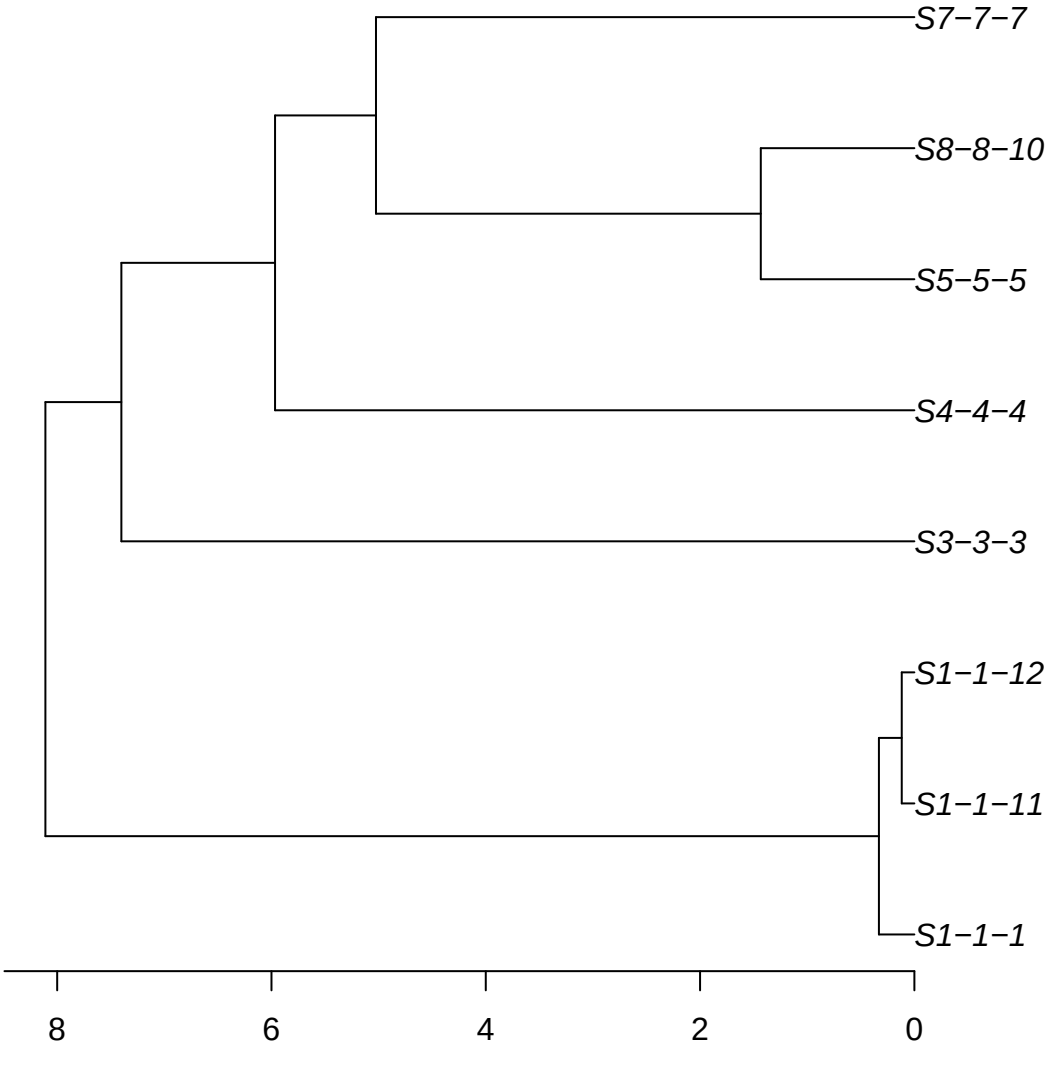
Multivariate psrf = 3.123

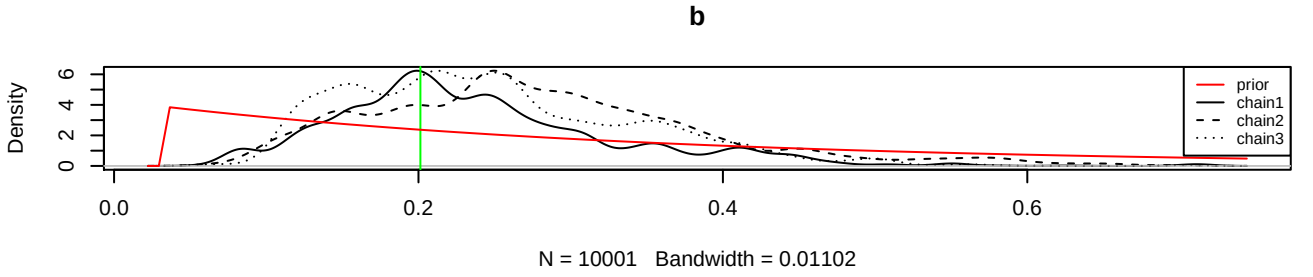
Acceptance ratio = 0.385 0.393 0.395

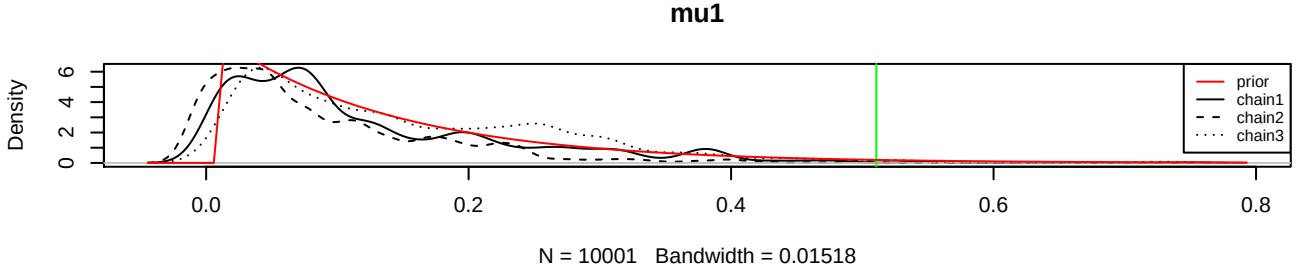

b
0.39
mu1
la1
mu2
0.0 0.2 0.4 0.6
0.0 0.5 1.0 1.5 2.0
0.1 0.3 0.5 0.7
0.0 0.2 0.4 0.6
0 5 10 15 20 25
0.0 0.5 1.0 1.5 2.0
0.1 0.3 0.5 0.7
0 5 10 15 20 25

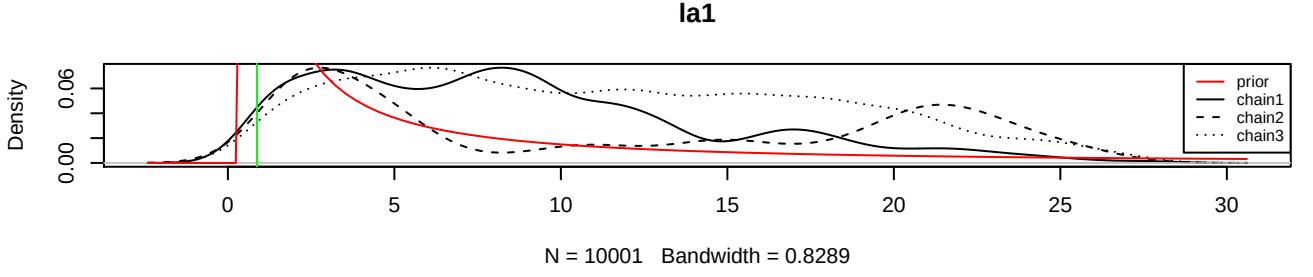

b
0.39
mu1
la1
mu2
0.0 0.2 0.4 0.6
0.0 0.5 1.0 1.5 2.0
0.1 0.3 0.5 0.7
0.0 0.2 0.4 0.6
0 5 10 15 20 25
0.0 0.5 1.0 1.5 2.0
0.1 0.3 0.5 0.7
0 5 10 15 20 25

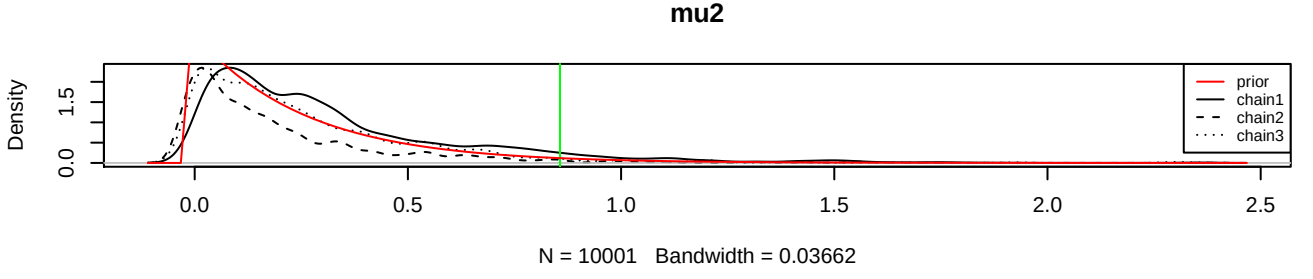

b
0.39
mu1
la1
mu2
0.0 0.2 0.4 0.6
0.0 0.5 1.0 1.5 2.0
0.1 0.3 0.5 0.7
0.0 0.2 0.4 0.6
0 5 10 15 20 25
0.0 0.5 1.0 1.5 2.0
0.1 0.3 0.5 0.7
0 5 10 15 20 25


S7−7−7
S8−8−10
S5−5−5
S4−4−4
S3−3−3
S1−1−12
S1−1−11
S1−1−1
8
6
4
2
0


b
Density
0
2
4
6
0.0
0.2
0.4
0.6
prior
chain1
chain2
chain3
N = 10001 Bandwidth = 0.01102


mu1
Density
0
2
4
6
0.0
0.2
0.4
0.6
0.8
prior
chain1
chain2
chain3
N = 10001 Bandwidth = 0.01518


la1
Density
0.00
0.06
0
5
10
15
20
25
30
prior
chain1
chain2
chain3
N = 10001 Bandwidth = 0.8289


mu2
Density
0.0
1.5
0.0
0.5
1.0
1.5
2.0
2.5
prior
chain1
chain2
chain3
N = 10001 Bandwidth = 0.03662