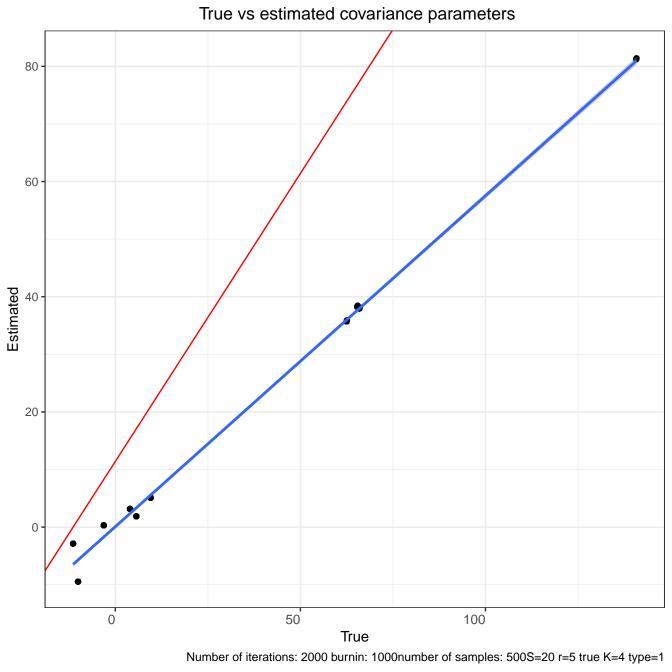
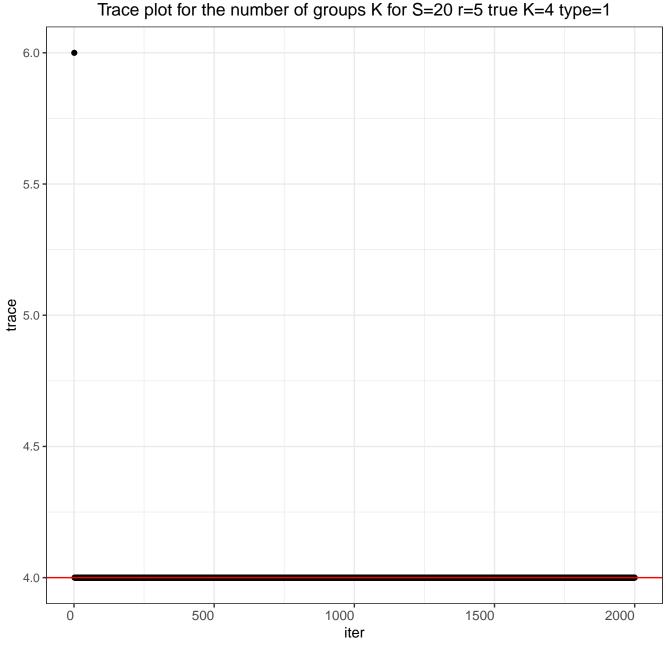
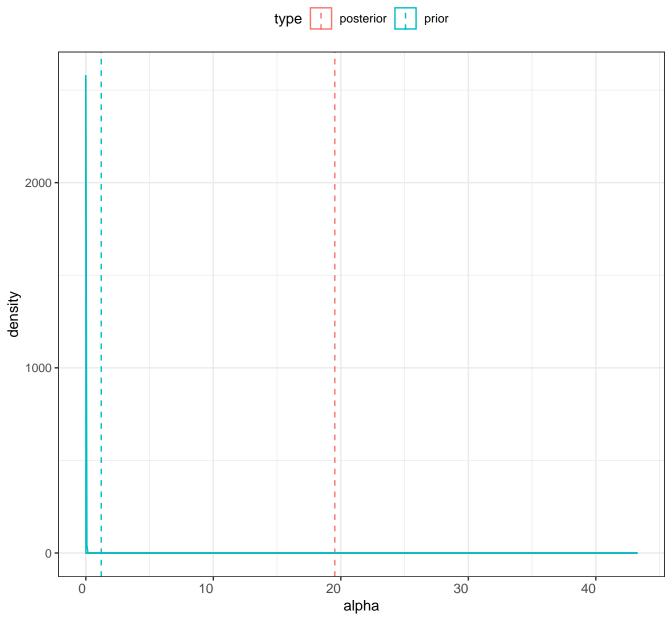


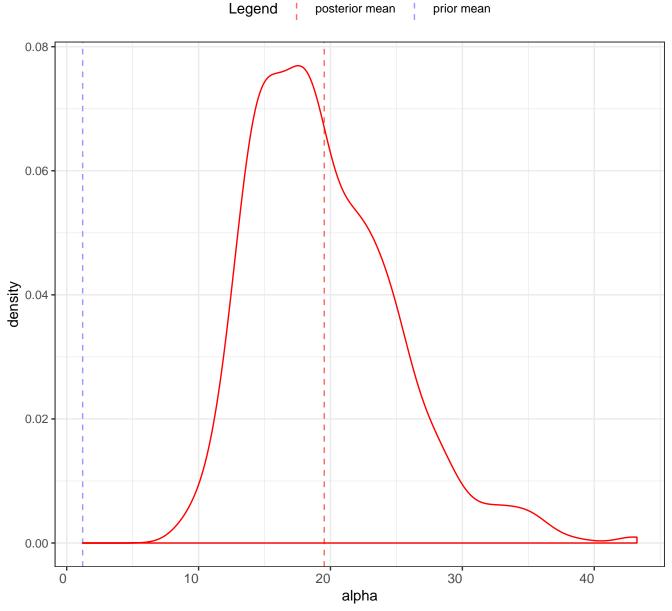
Weights for the case: S=20 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.004 0.10 0.05 -0.00 50 100 150 0 tr

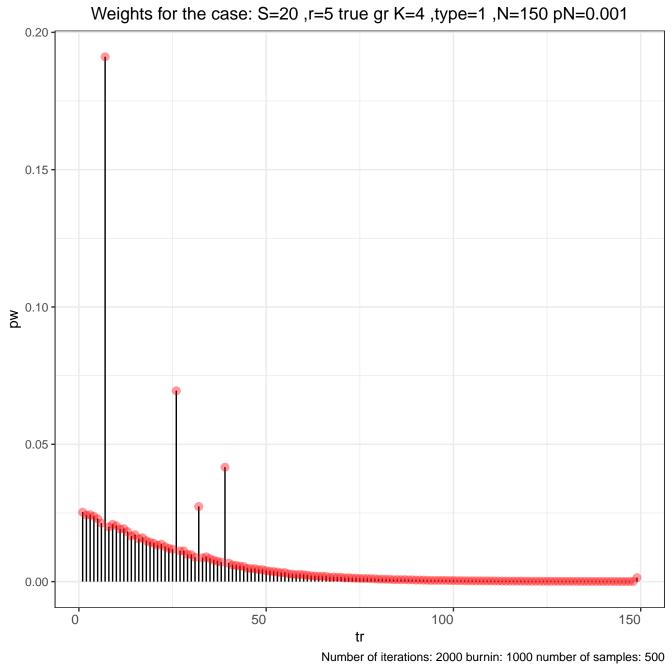
Number of iterations: 2000 burnin: 1000 number of samples: 500

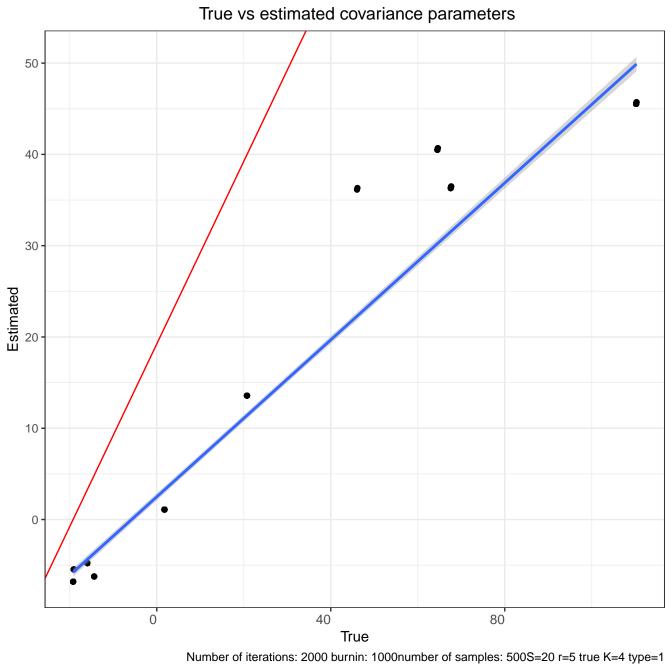


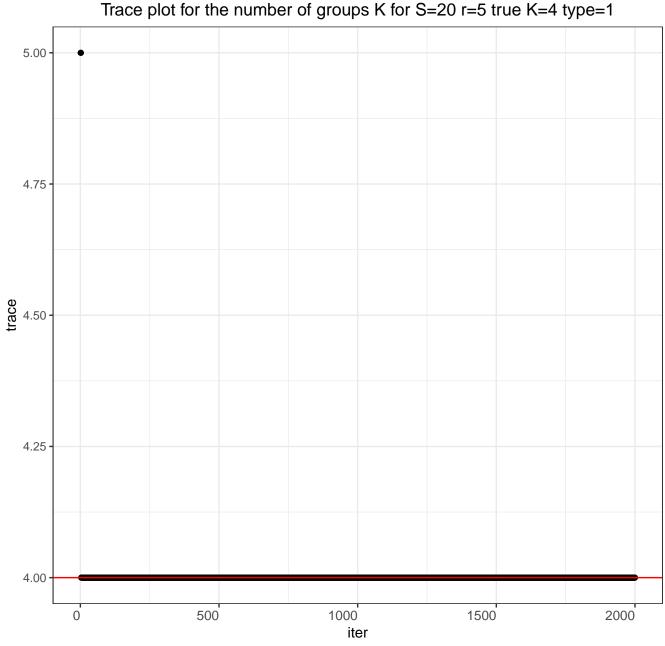


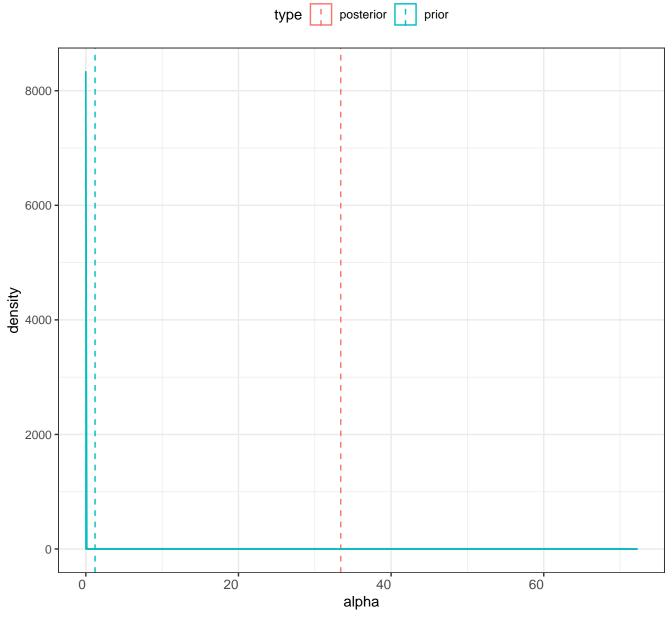


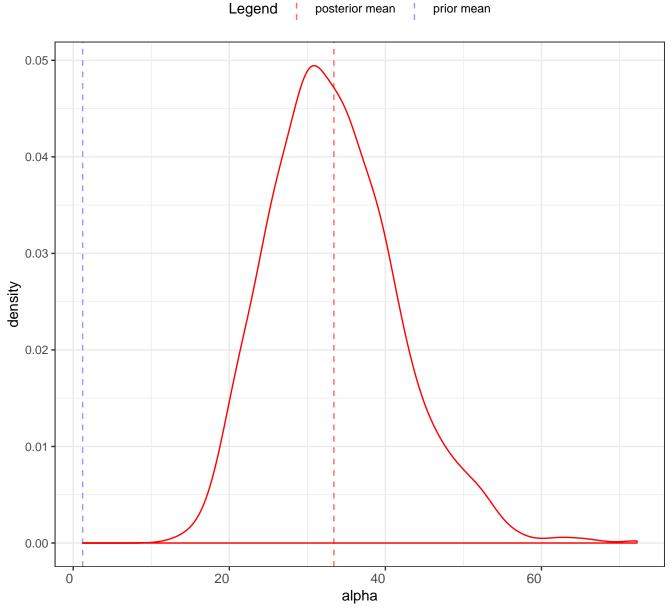




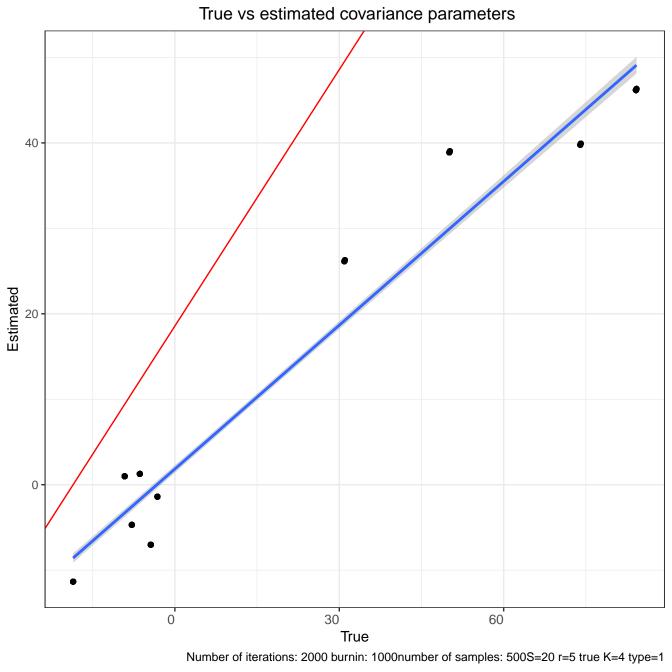


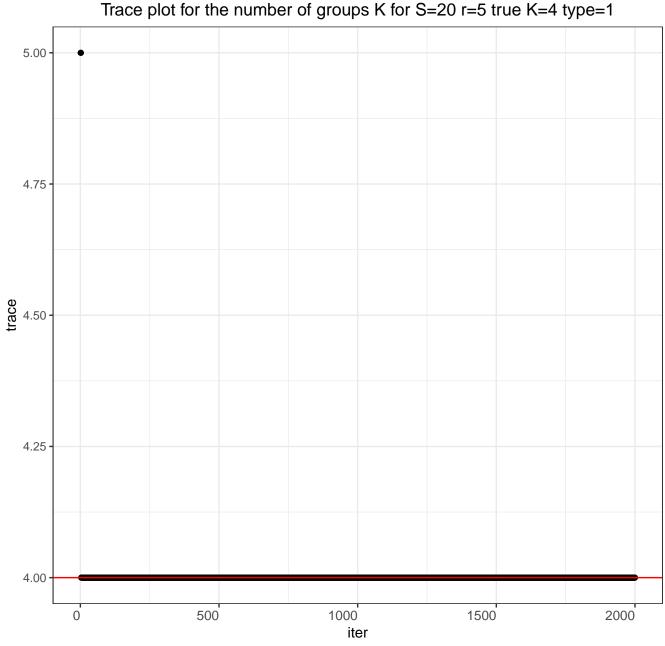


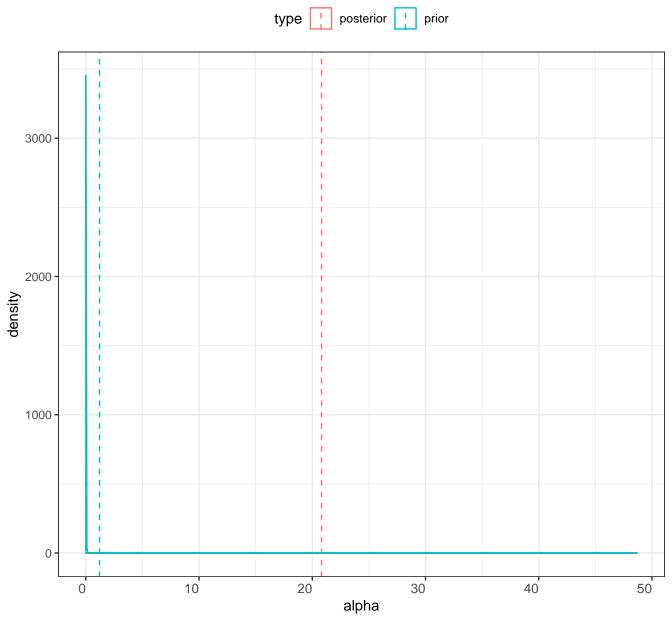


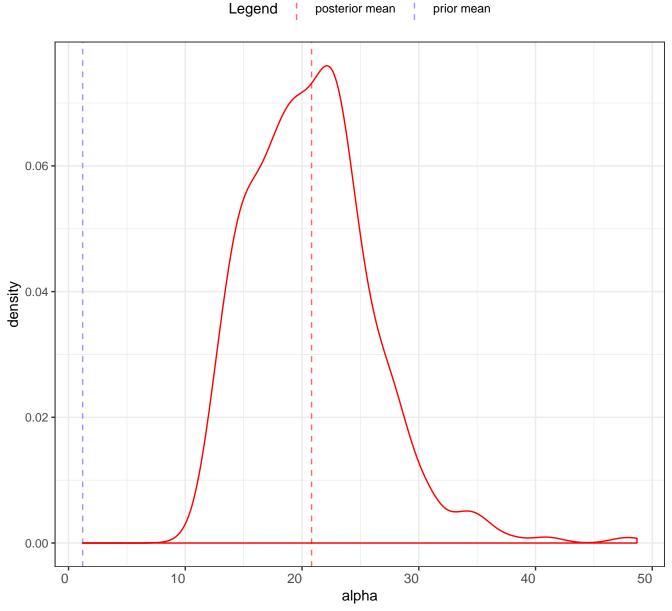


Weights for the case: S=20 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.016 0.08 0.06 0.02 -0.00 50 100 150 0 tr

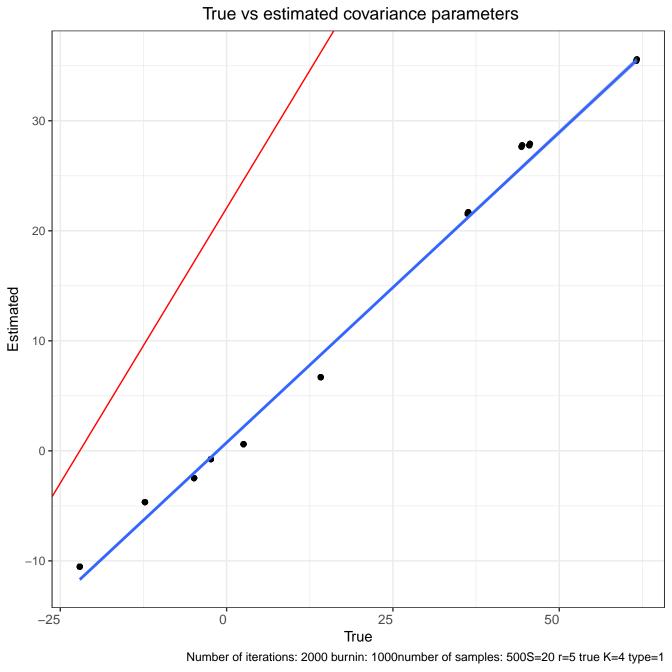


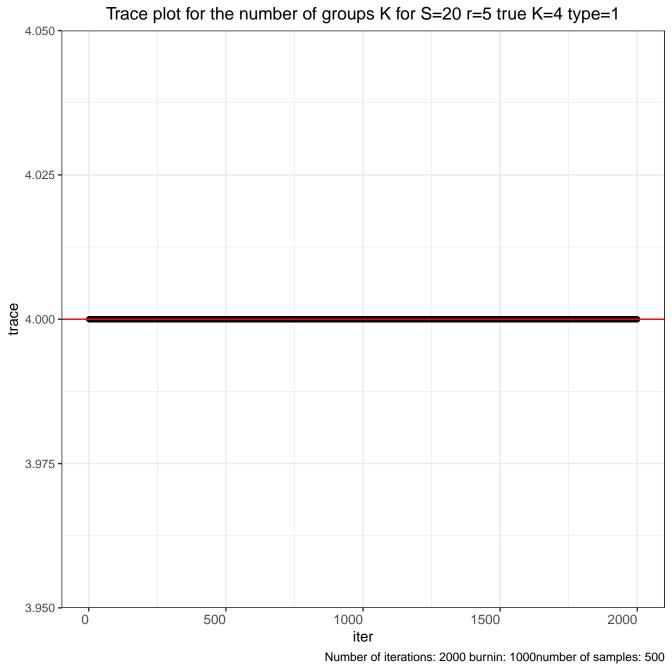


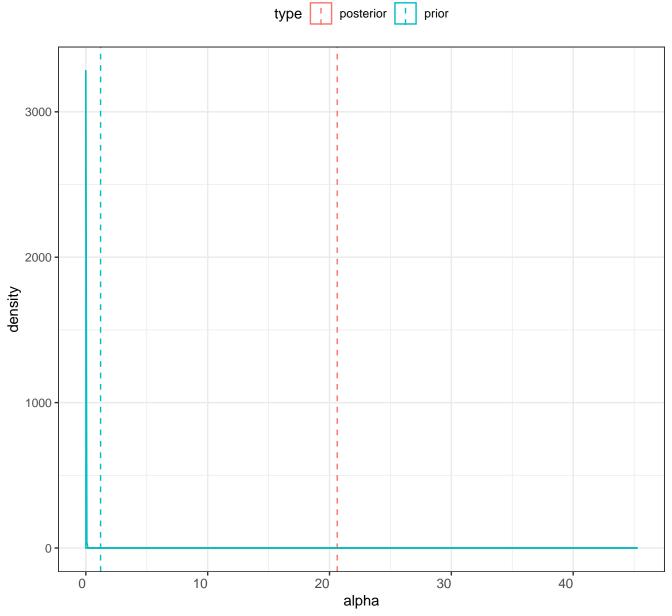


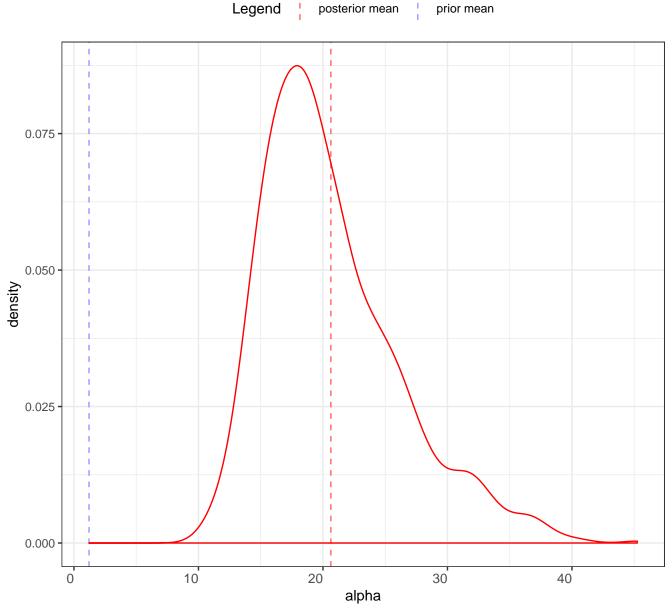


Weights for the case: S=20 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.002 0.15 -0.10 ŏ 0.05 -0.00 50 100 150 0 tr

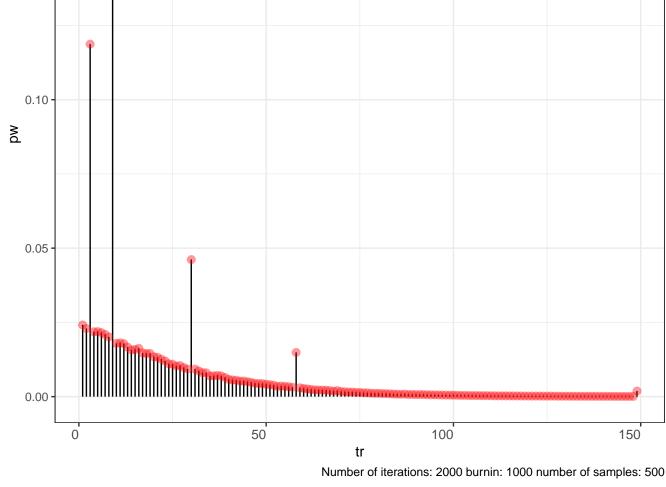


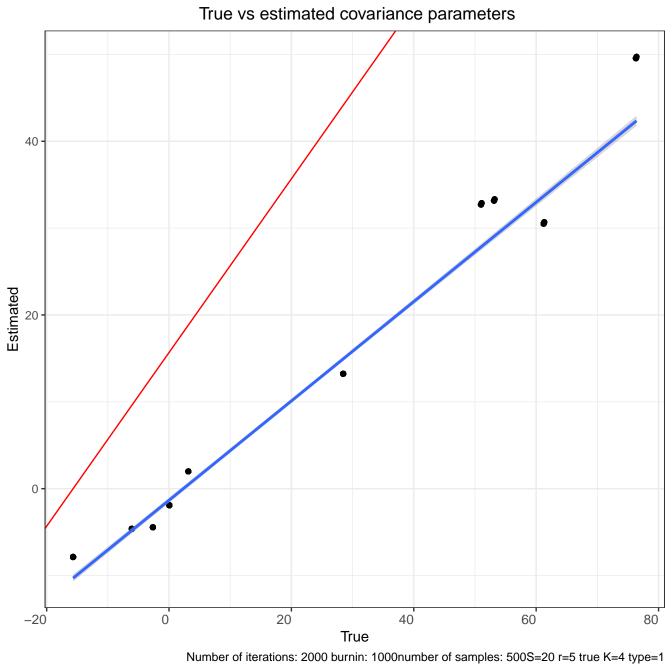


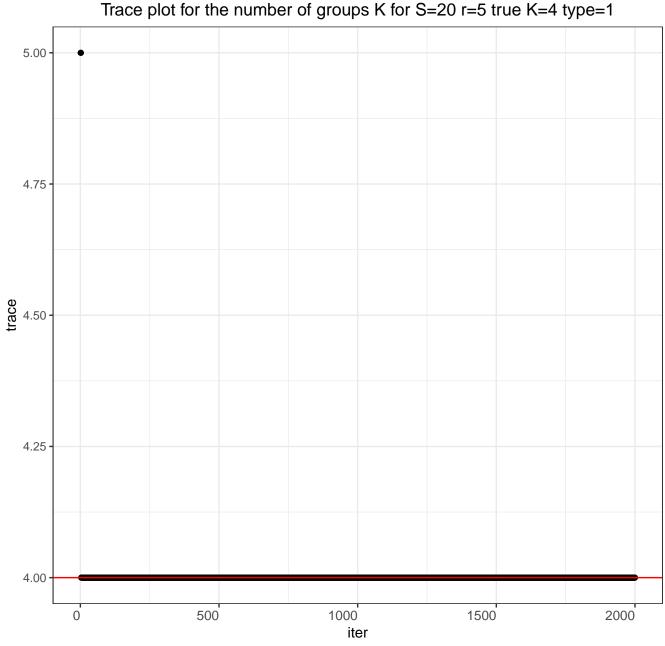


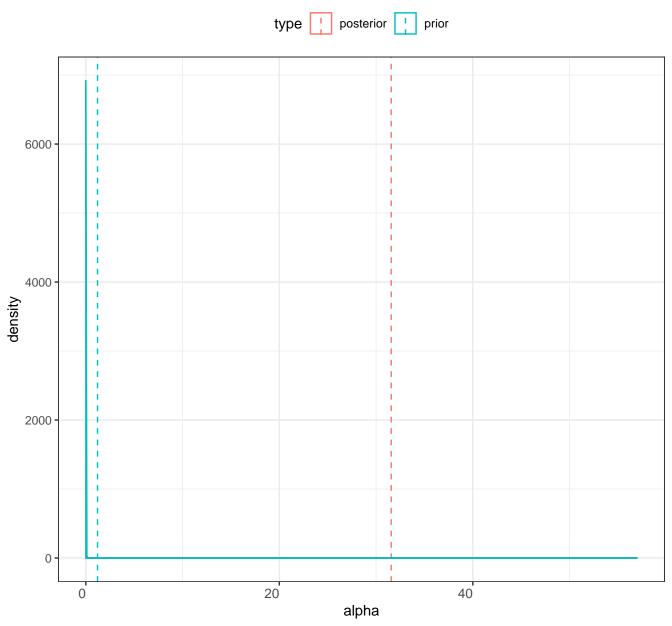


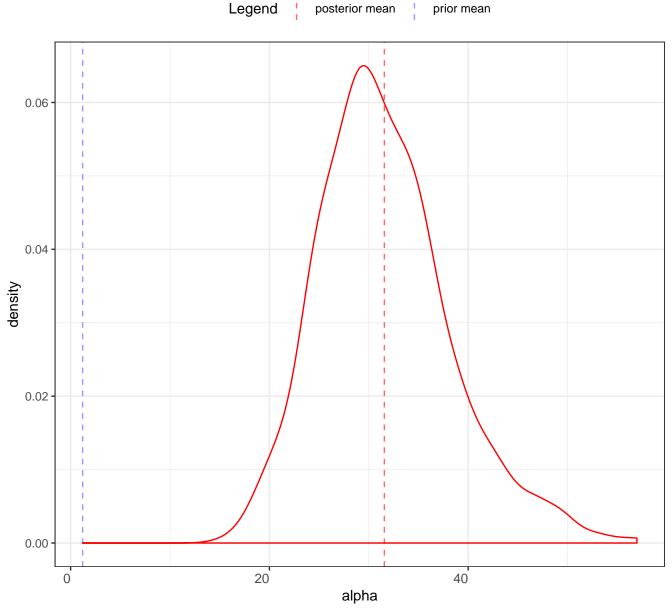
Weights for the case: S=20 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.002 0.15 -0.10 ă 0.05 -



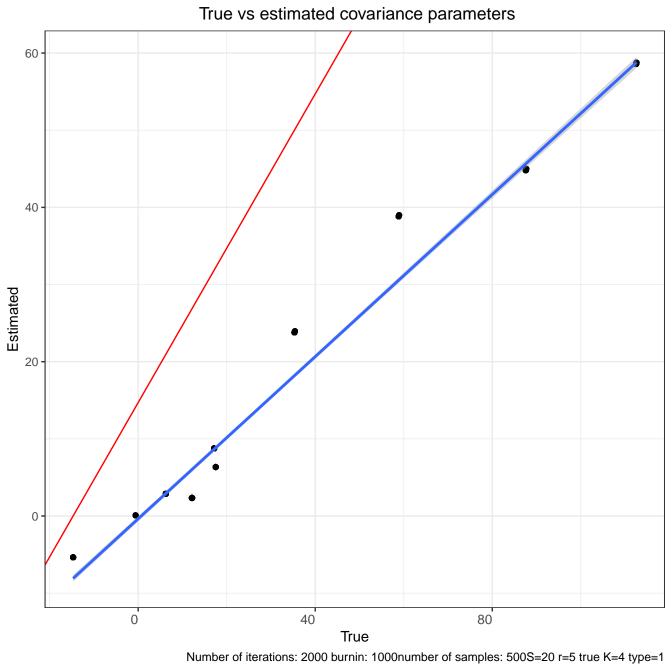


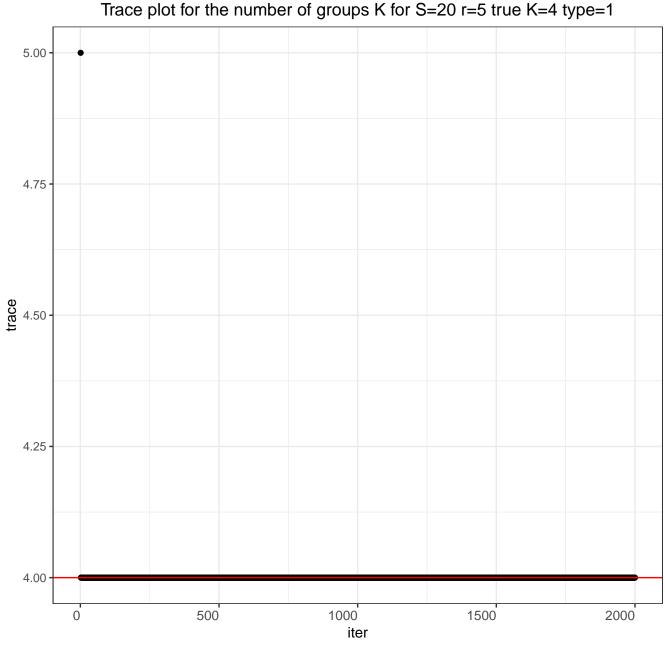


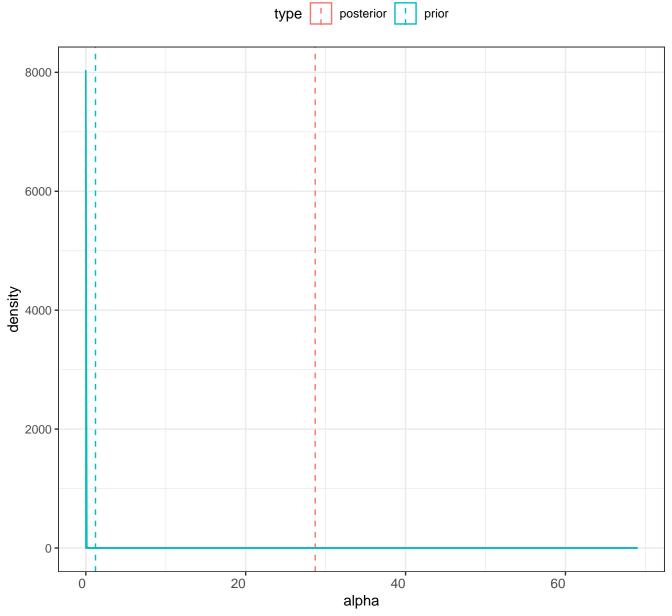


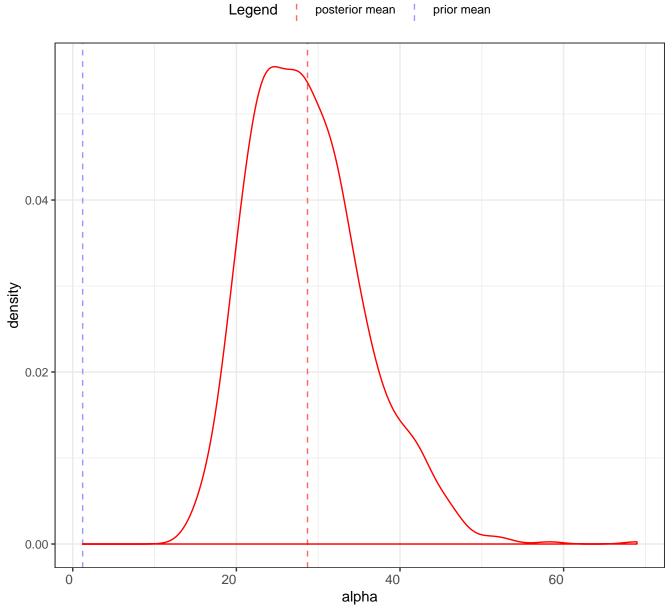


Weights for the case: S=20 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.012 0.15 -0.10 -0.05 -0.00 50 100 150 0 tr

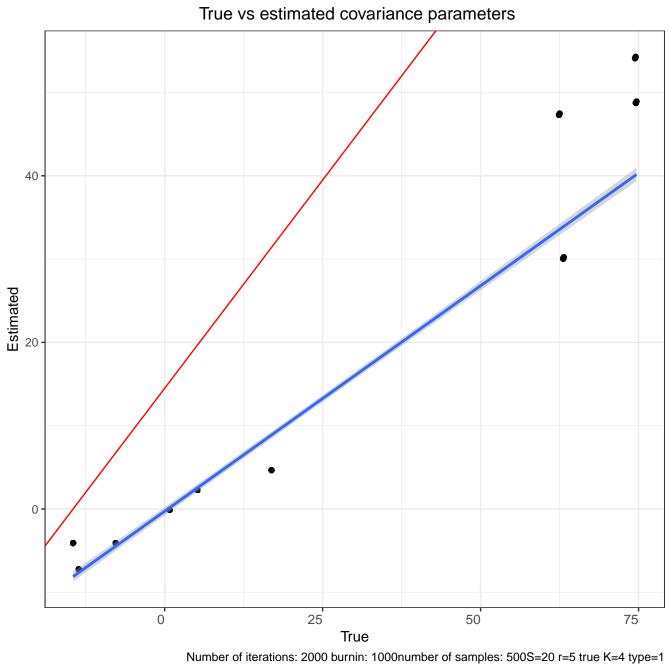


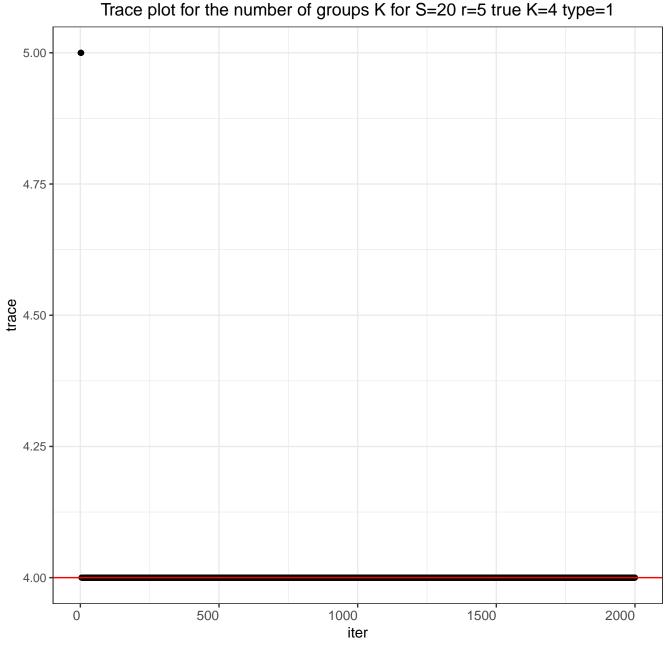




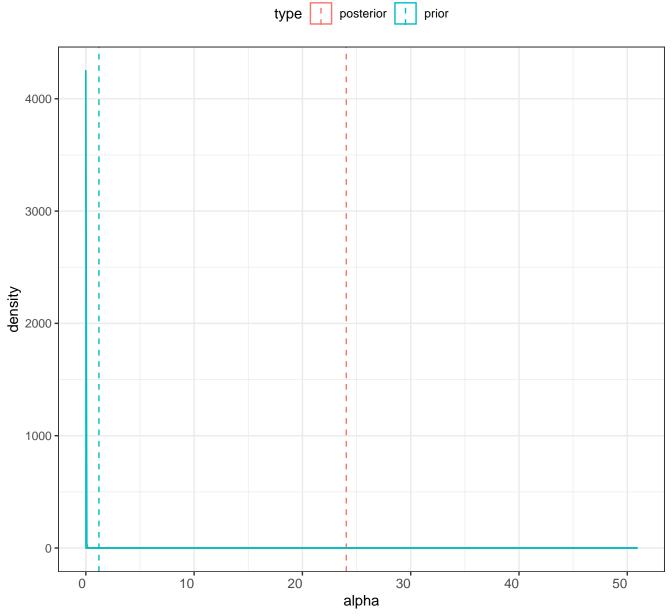


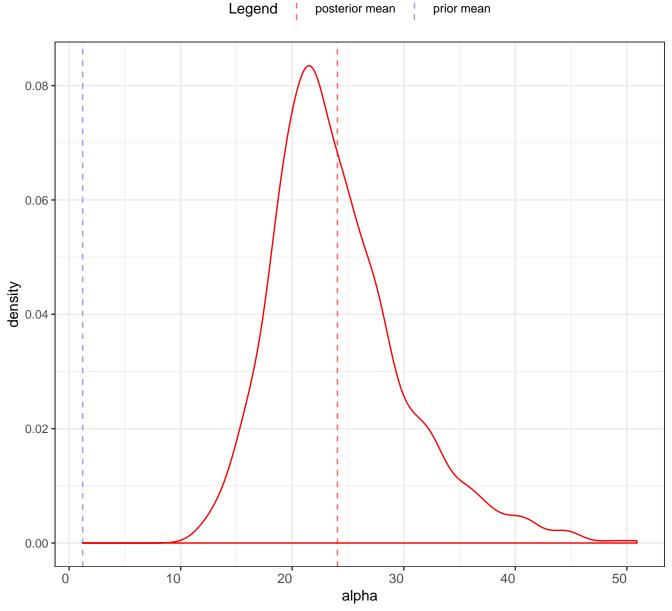
Weights for the case: S=20 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.009 0.09 0.03 -0.00 50 100 150 0 tr





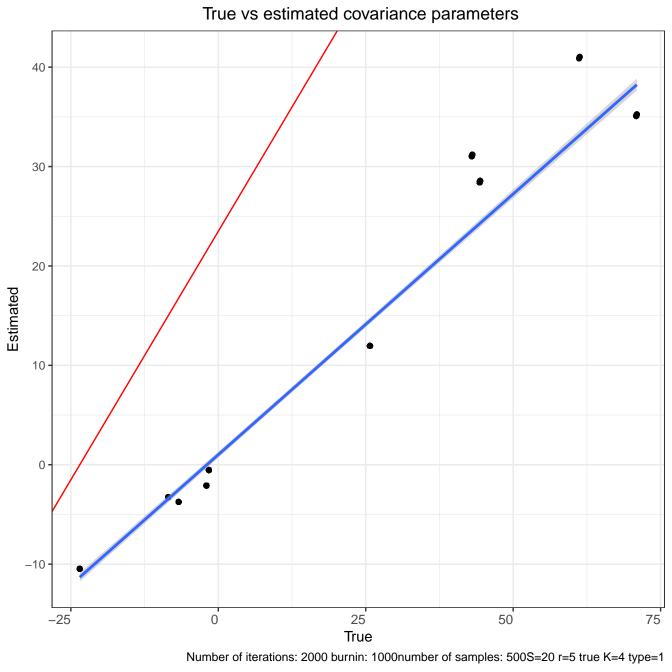
# Distribution alpha: S=20, r=5 true gr K=4, type=1, N=150

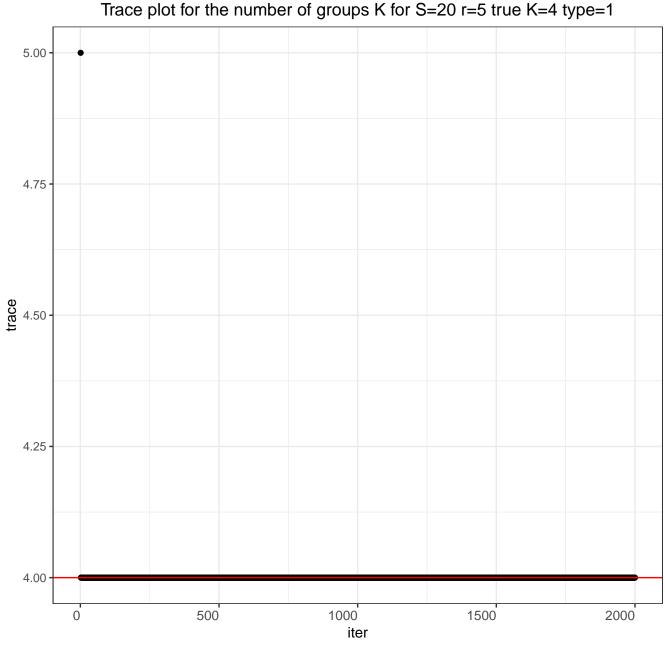




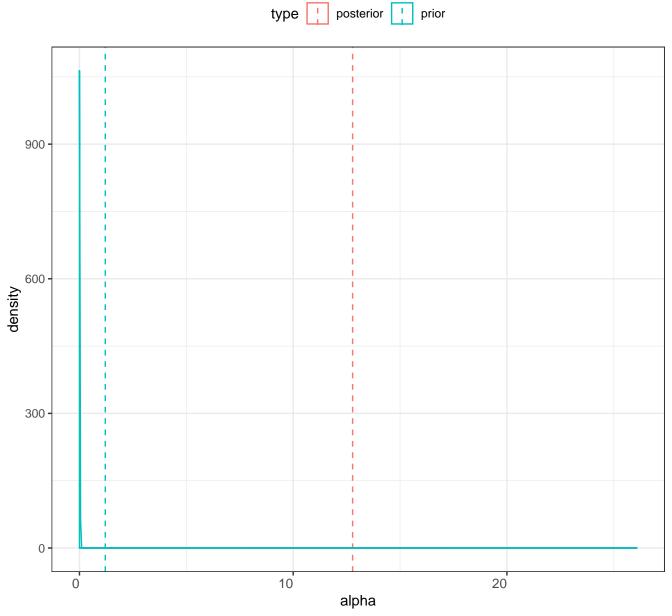
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=1 ,N=150

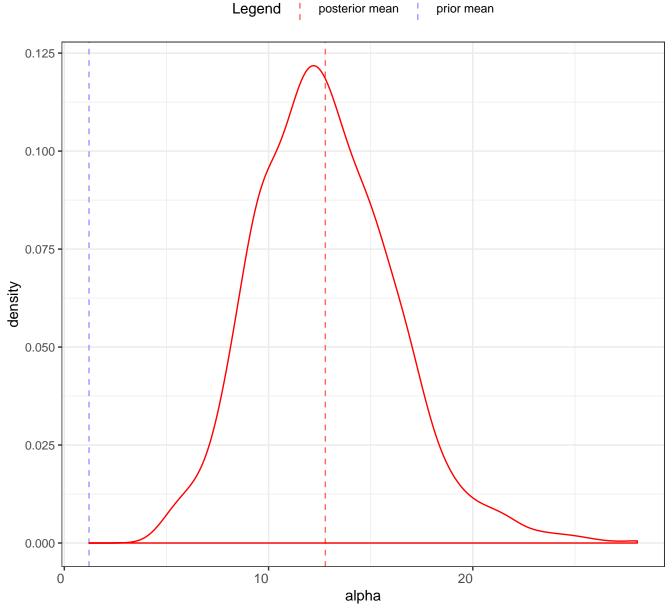
Weights for the case: S=20 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.004 0.15 -0.10 -0.05 -0.00 50 100 150 0 tr Number of iterations: 2000 burnin: 1000 number of samples: 500



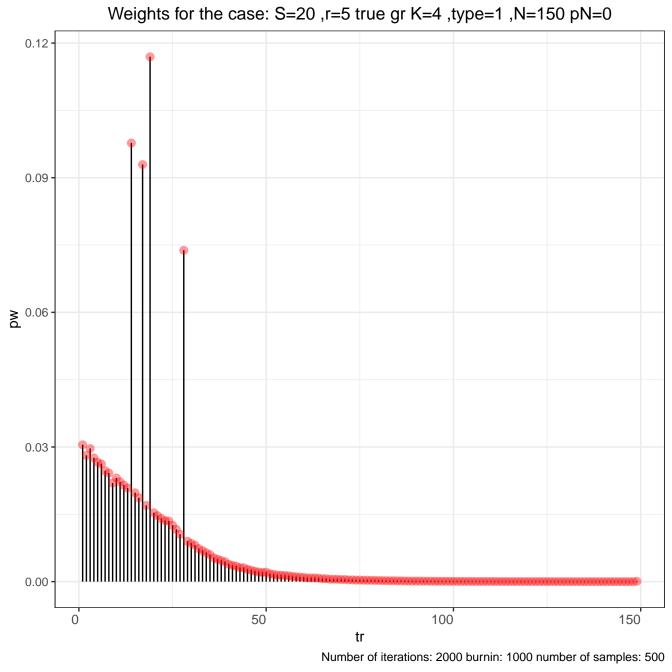


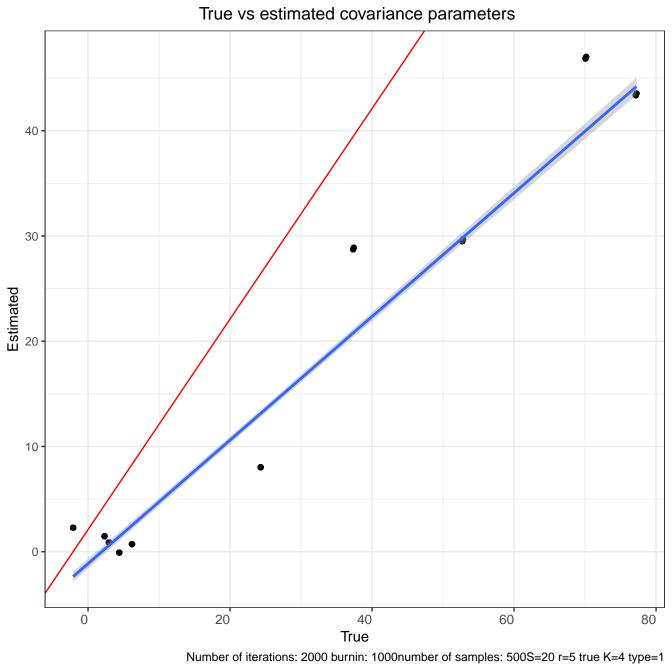
Distribution alpha: S=20 ,r=5 true gr K=4 ,type=1 ,N=150

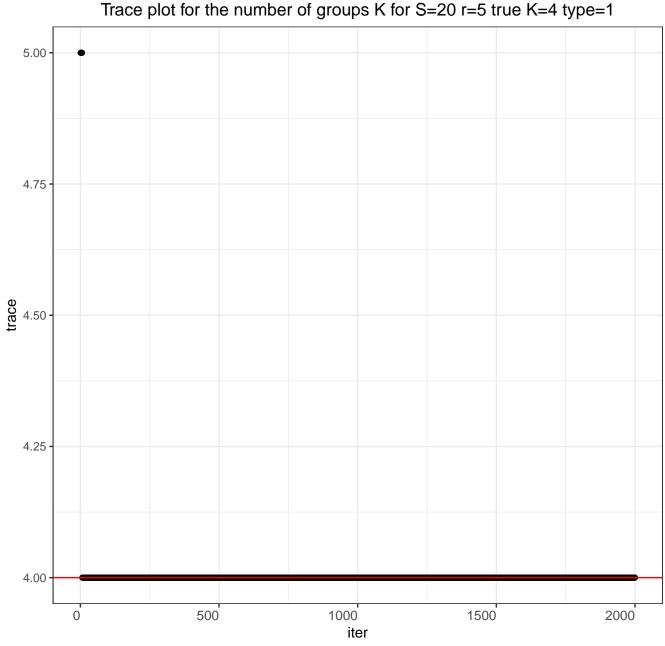




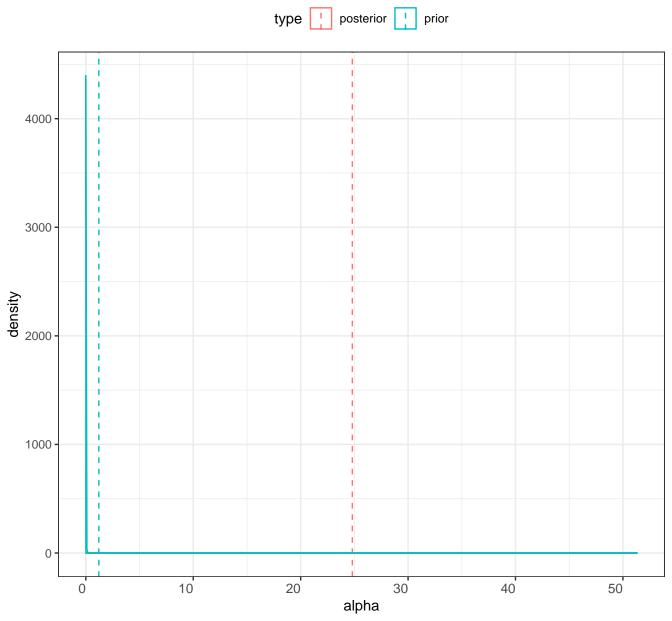
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=1 ,N=150

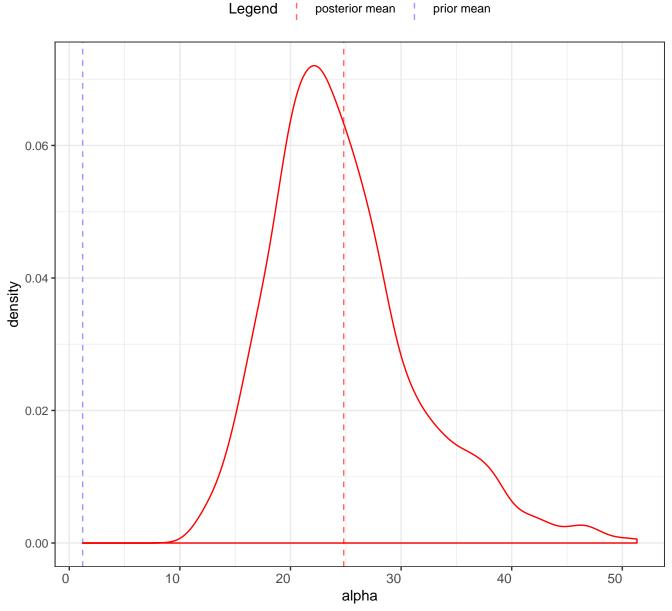






#### Distribution alpha: S=20 ,r=5 true gr K=4 ,type=1 ,N=150

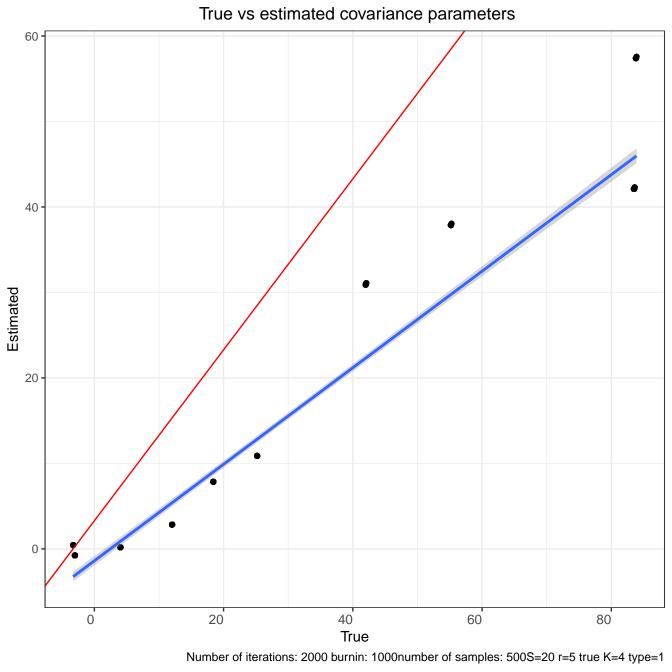


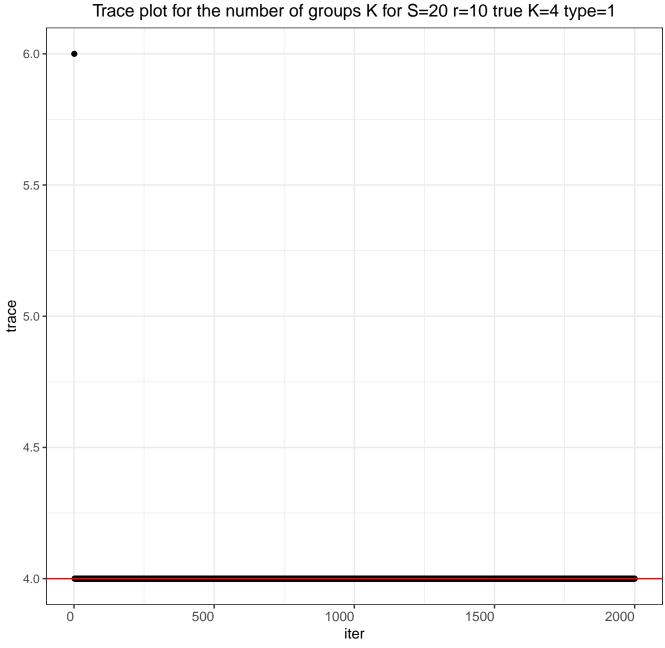


Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=1 ,N=150

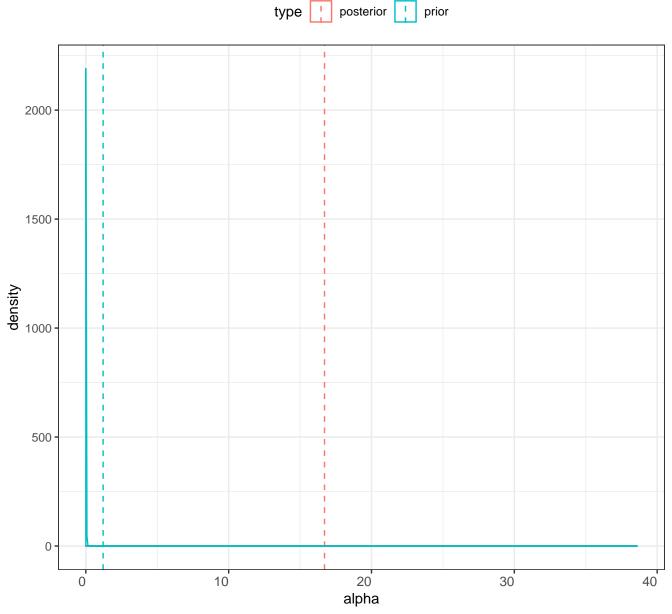
Weights for the case: S=20 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.005 0.15 -0.10 0.05 -0.00 50 100 150 0 tr

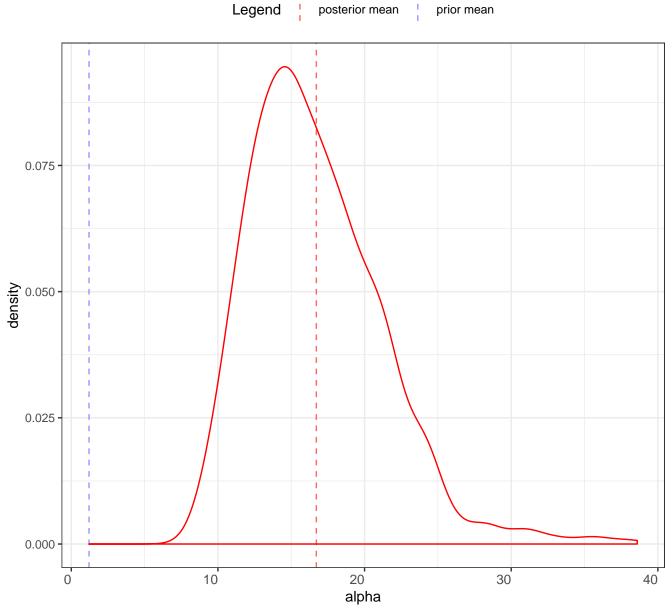
Number of iterations: 2000 burnin: 1000 number of samples: 500





Distribution alpha: S=20 ,r=10 true gr K=4 ,type=1 ,N=150

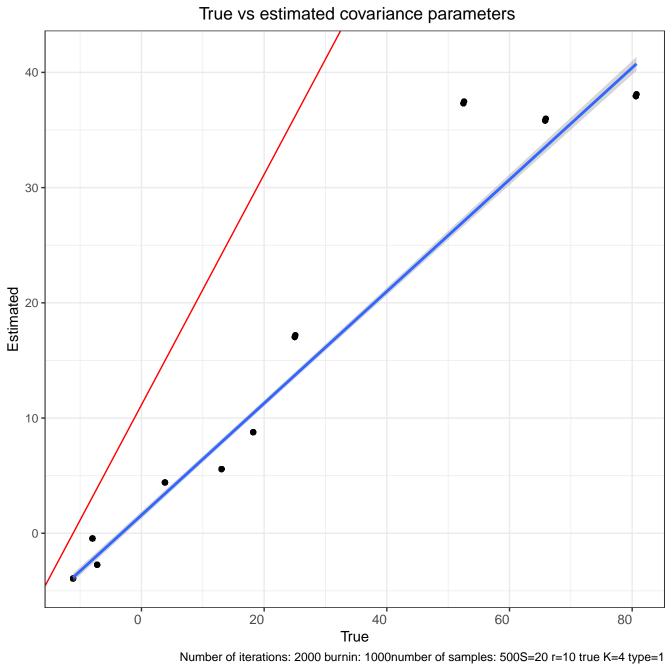


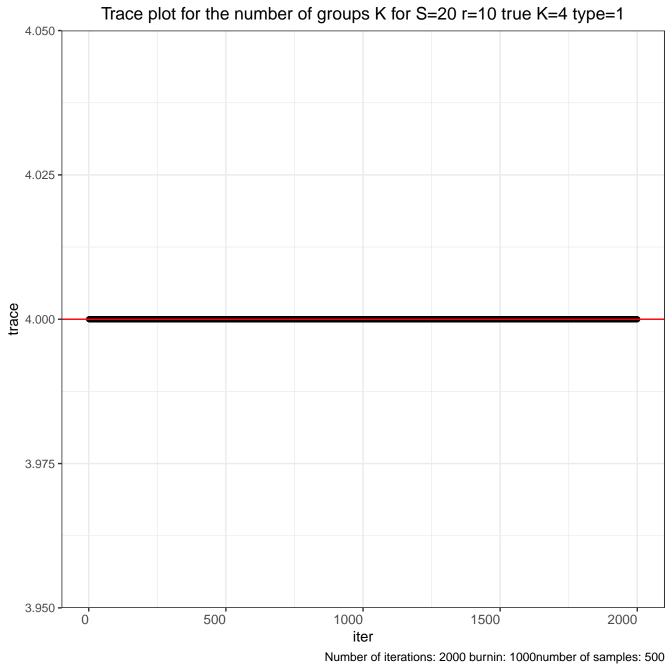


Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=1 ,N=150

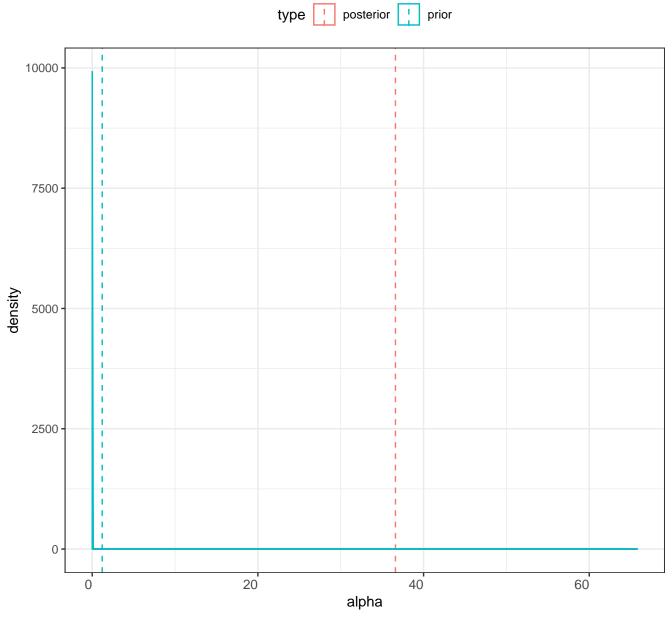
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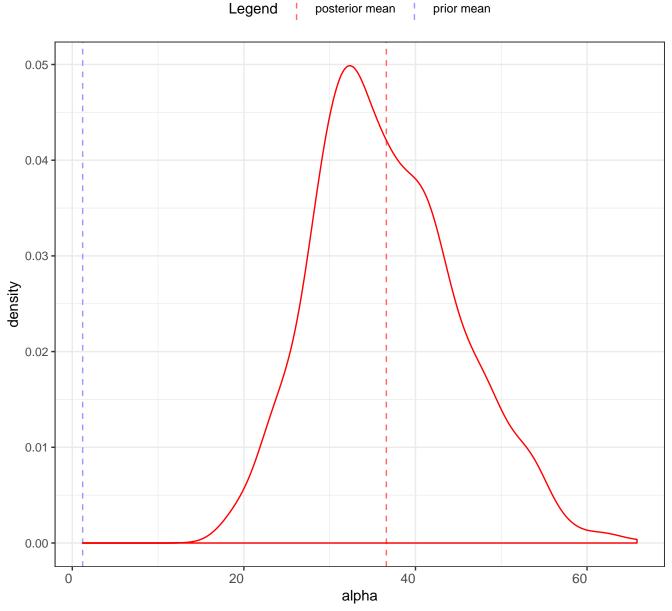
Number of iterations: 2000 burnin: 1000 number of samples: 500





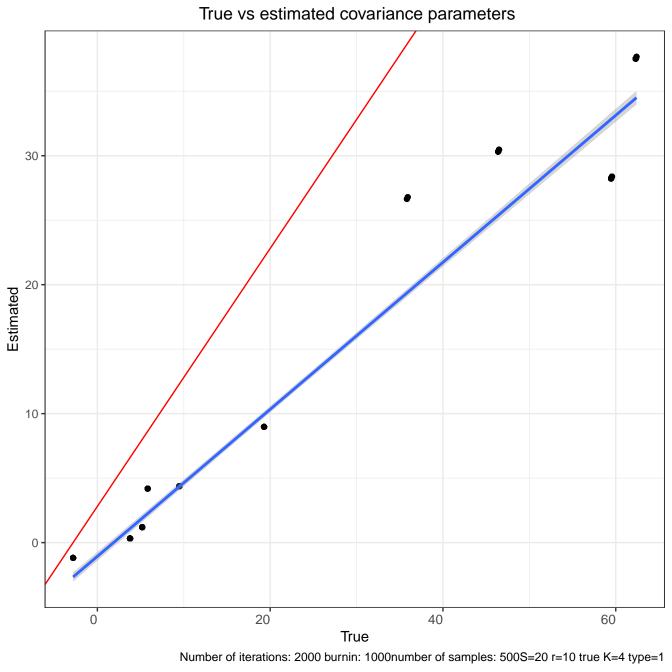
#### Distribution alpha: S=20 ,r=10 true gr K=4 ,type=1 ,N=150





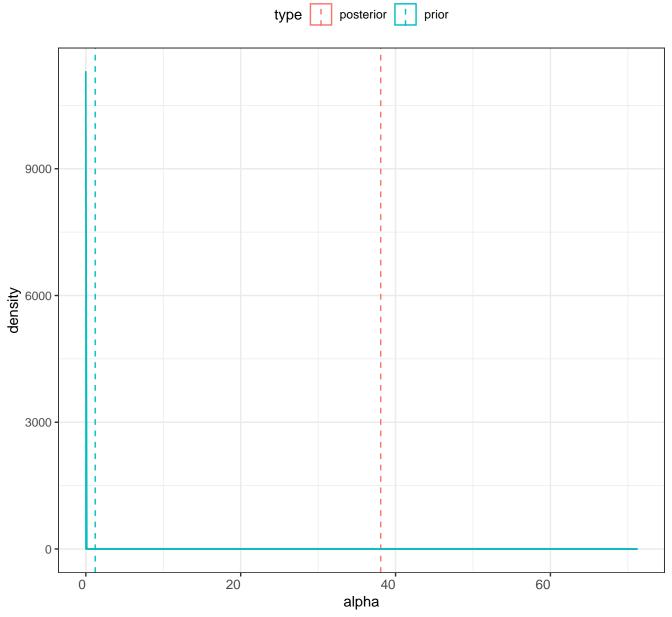
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=1 ,N=150

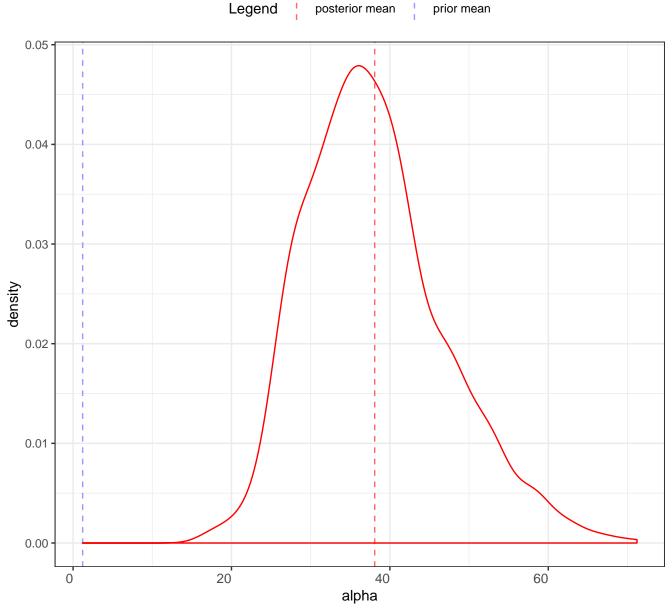
Weights for the case: S=20 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.022 0.100 -0.075 <u>A</u> 0.050 -0.025 -0.000 -50 100 150 tr



Trace plot for the number of groups K for S=20 r=10 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

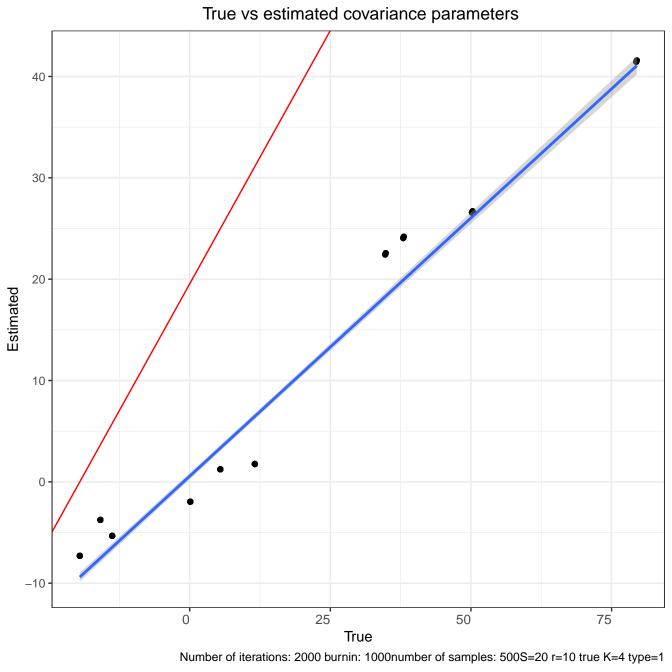
#### Distribution alpha: S=20 ,r=10 true gr K=4 ,type=1 ,N=150





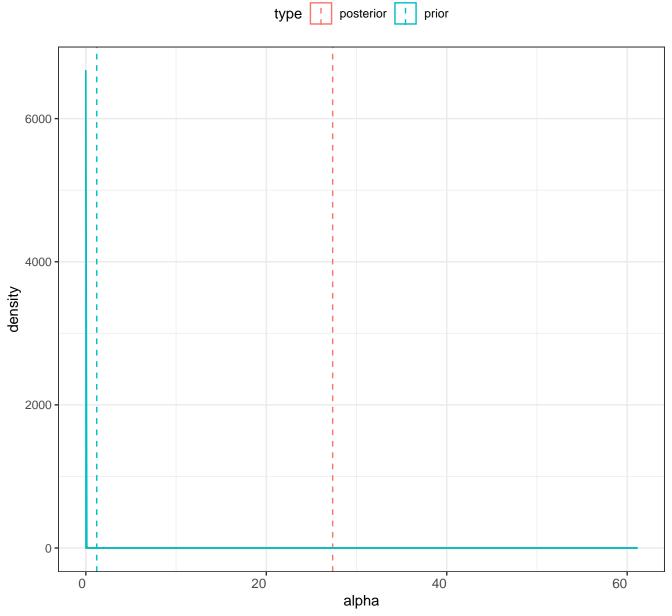
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=1 ,N=150

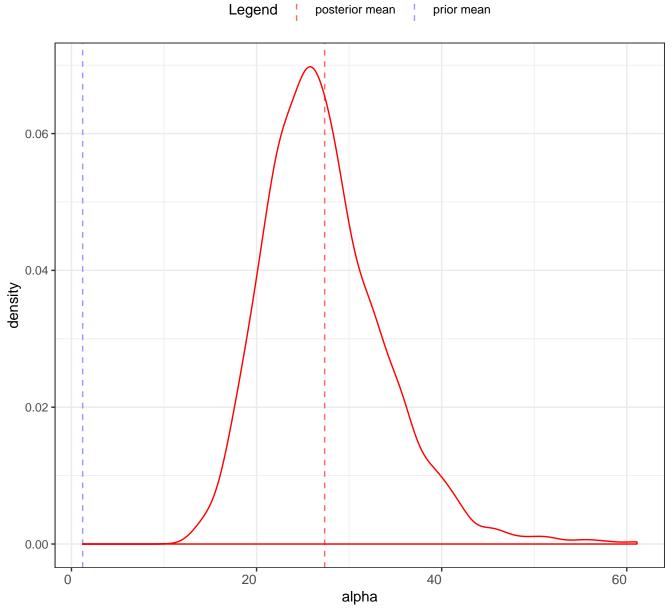
Weights for the case: S=20 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.025 0.100 -0.075 -<u>≥</u> 0.050 -0.025 -0.000 -50 100 150 tr



Trace plot for the number of groups K for S=20 r=10 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

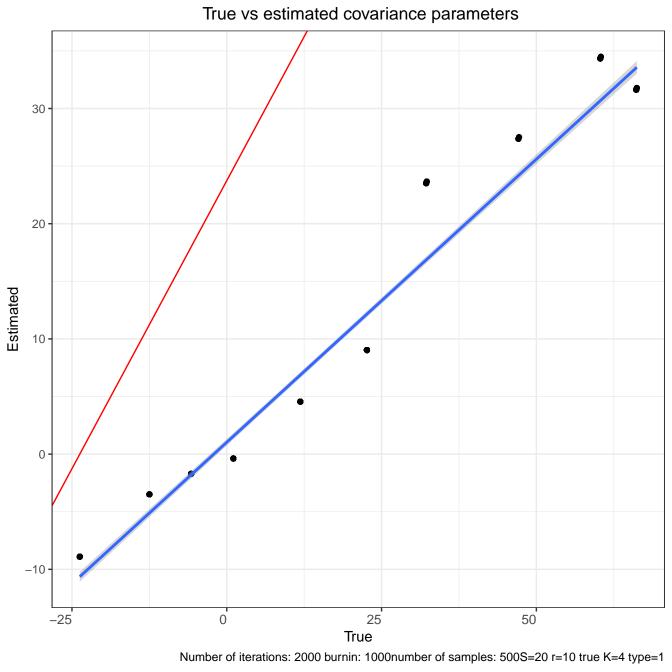
Distribution alpha: S=20 ,r=10 true gr K=4 ,type=1 ,N=150





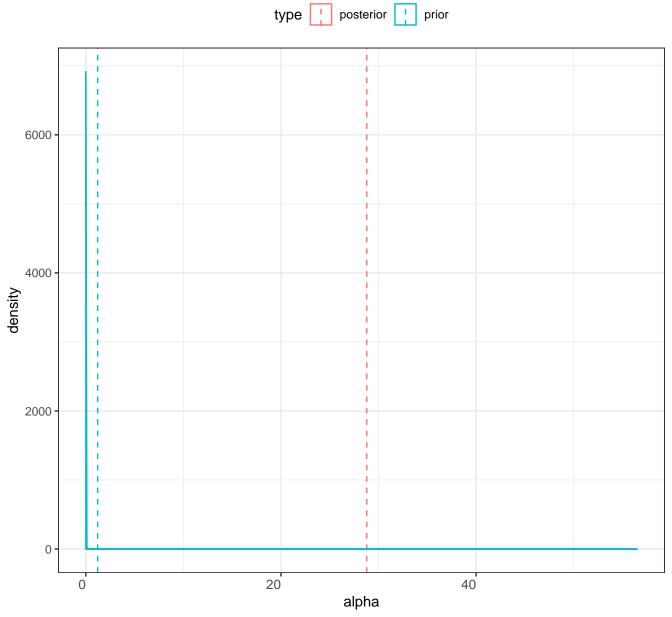
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=1 ,N=150

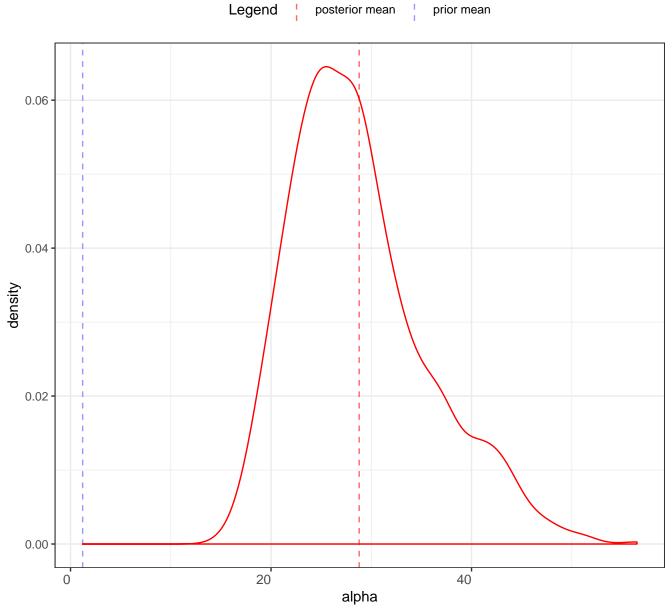
Weights for the case: S=20 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.007 0.10 -0.05 -0.00 50 100 150 0 tr

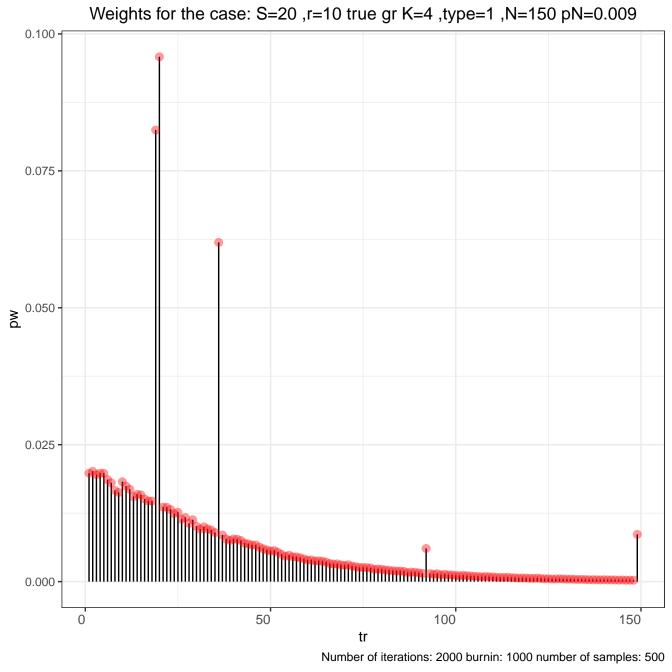


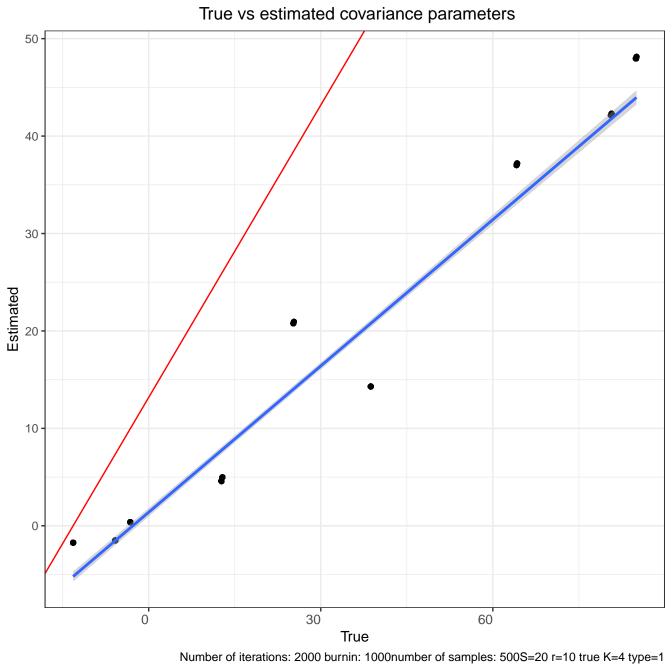
Trace plot for the number of groups K for S=20 r=10 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

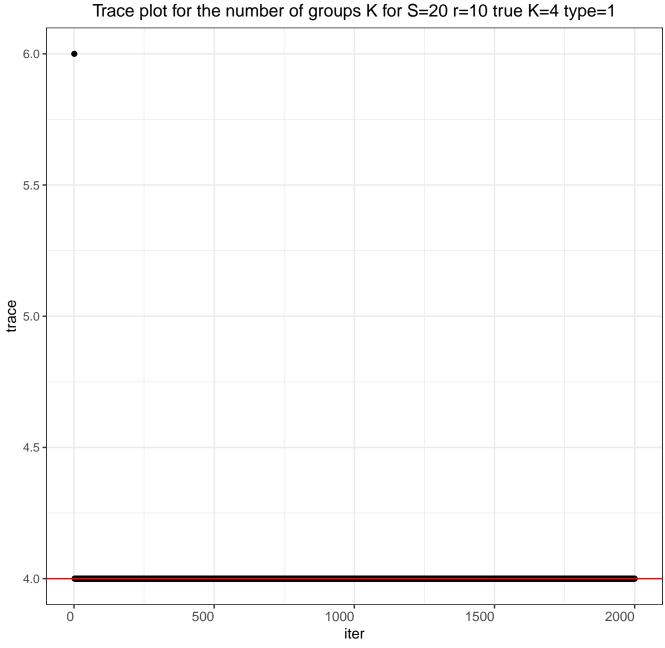
Distribution alpha: S=20 ,r=10 true gr K=4 ,type=1 ,N=150

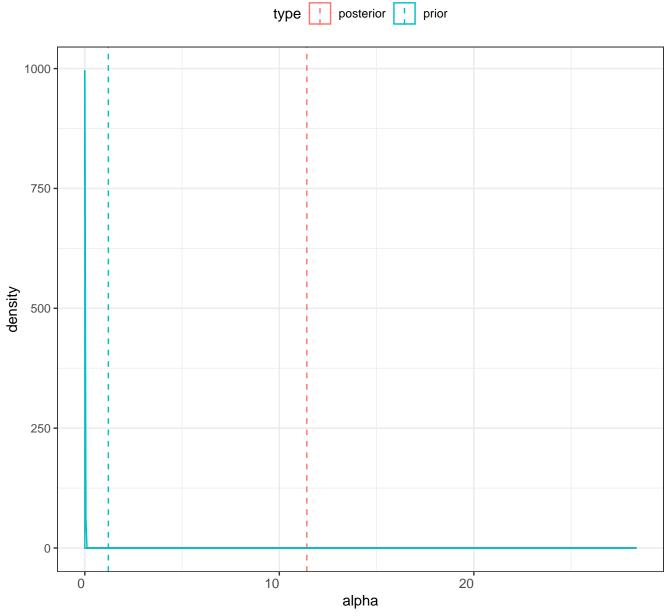


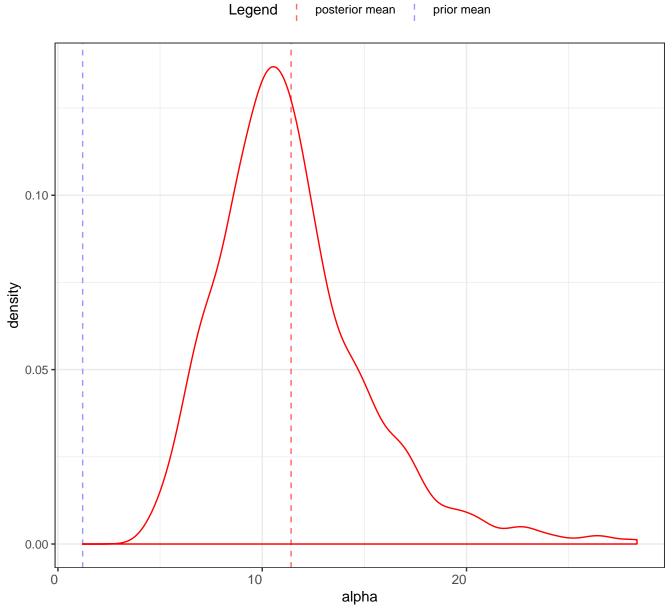




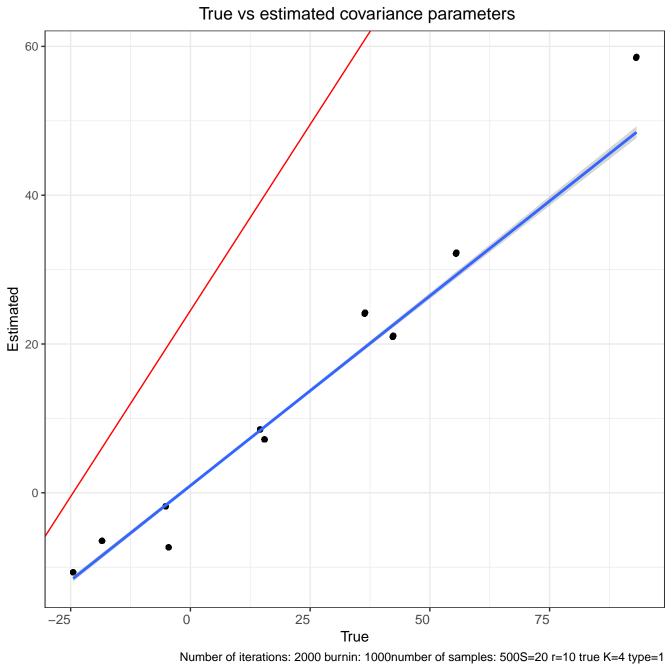


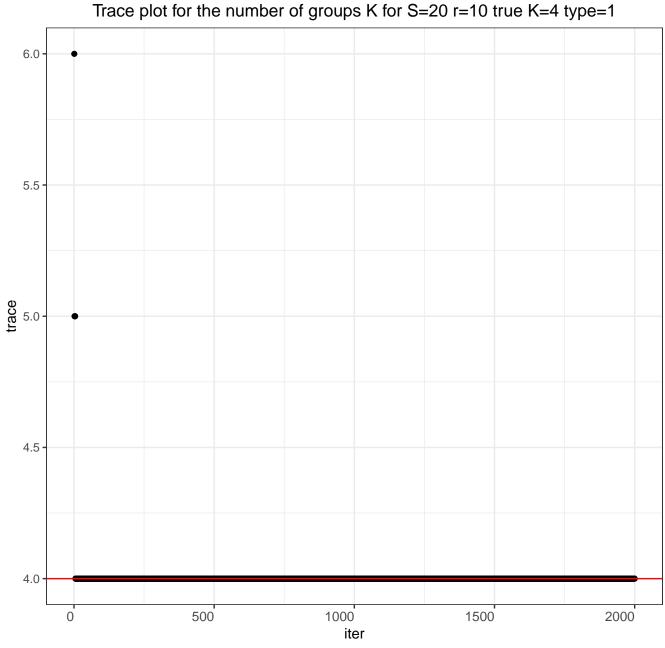


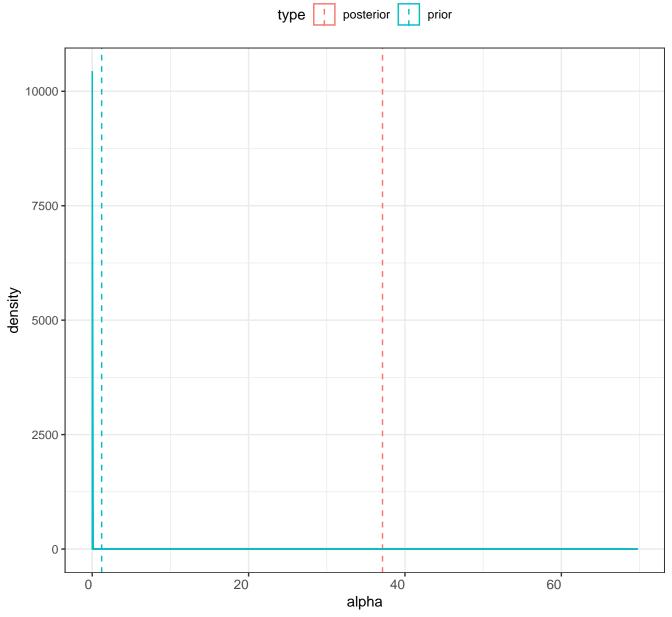


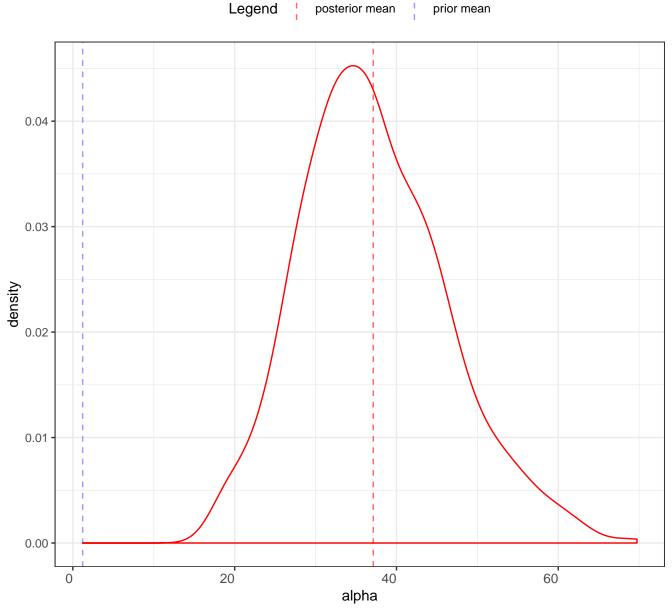


Weights for the case: S=20 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0 0.20 0.15 -0.10 0.05 -0.00 50 100 150 0 tr

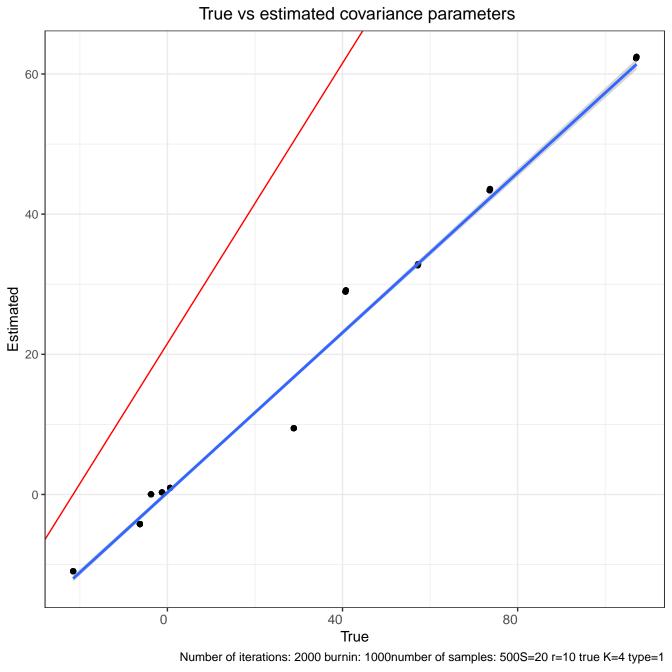


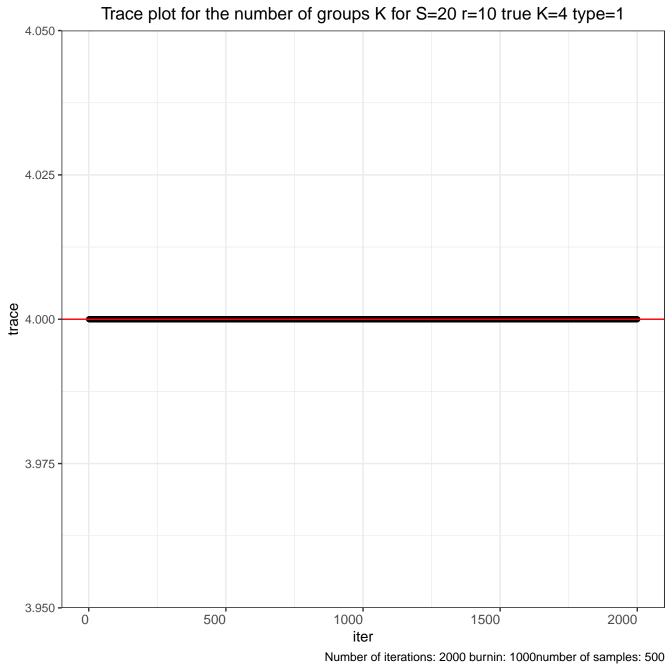


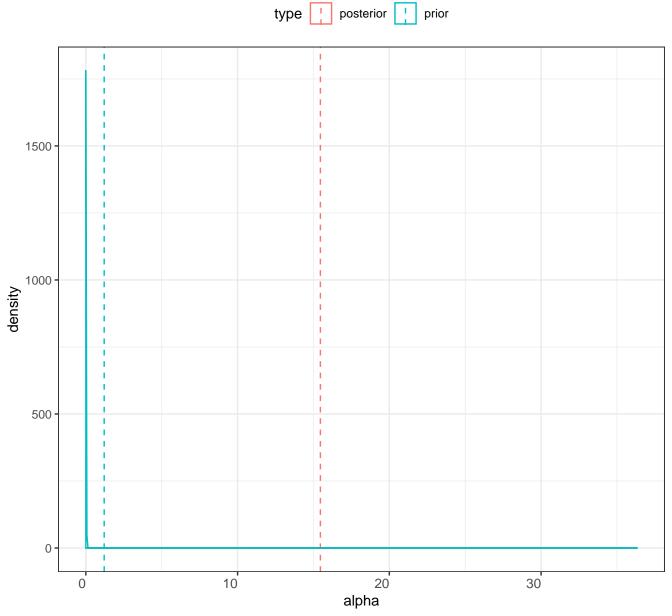


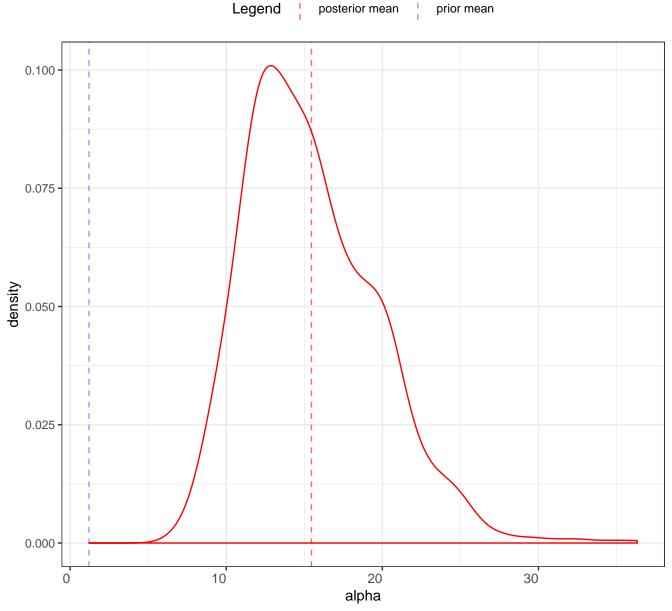


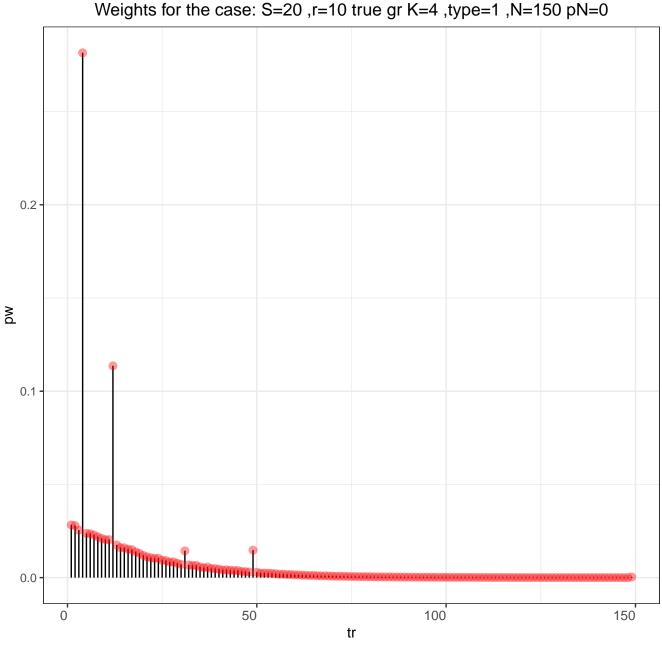
Weights for the case: S=20 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.023 0.100 -0.075 -0.025 -0.000 -50 100 150 tr

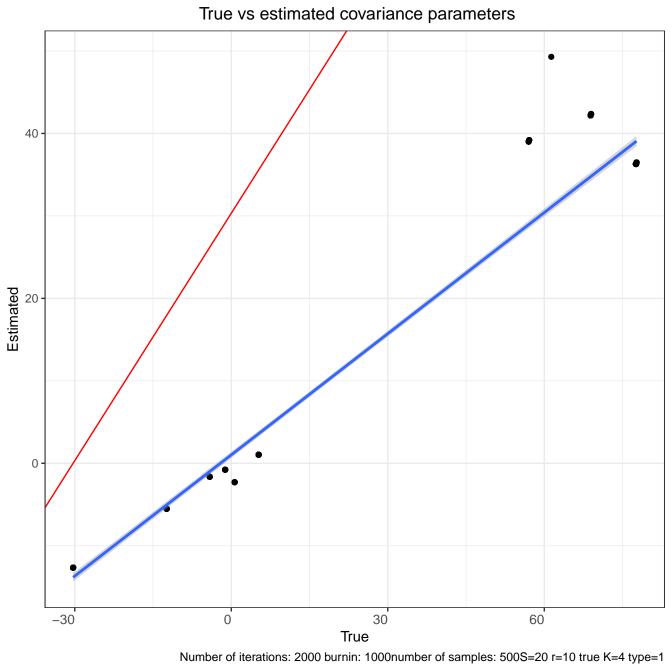




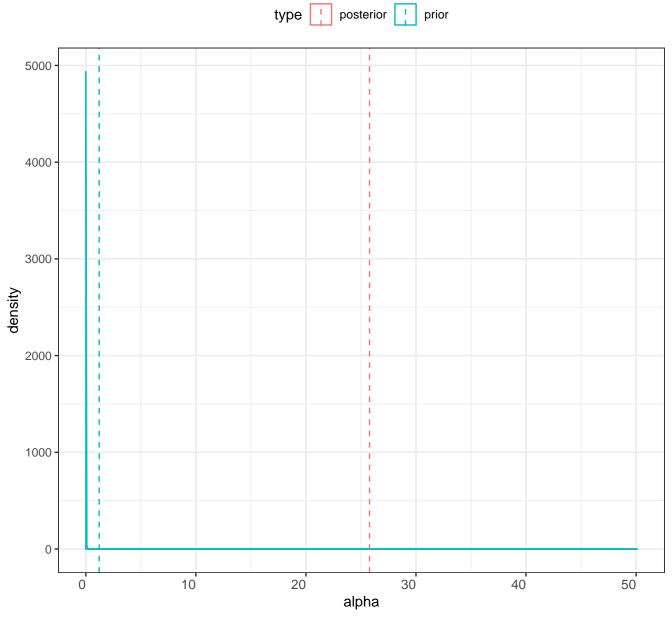


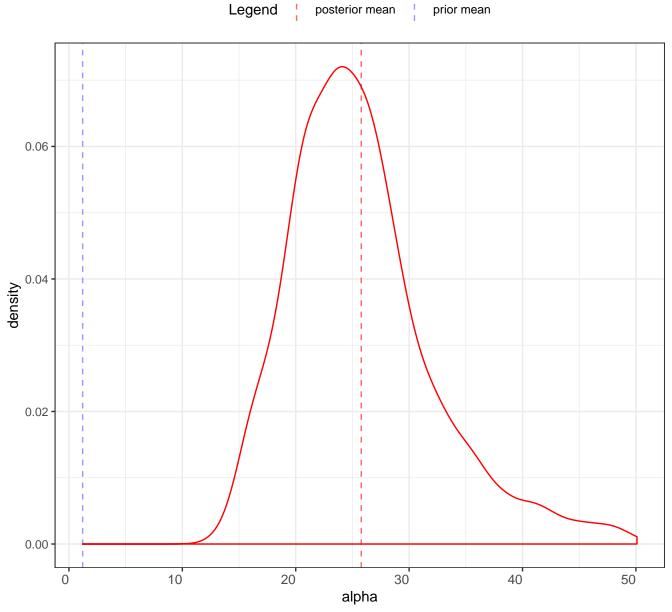






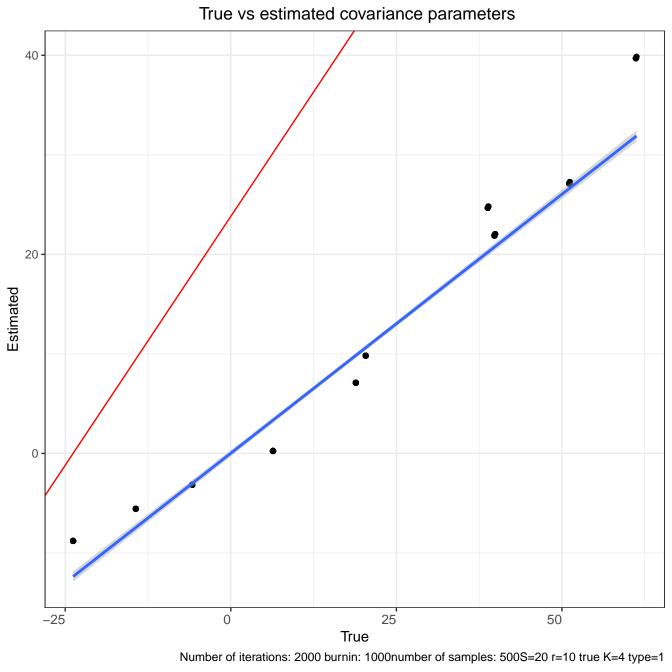
Trace plot for the number of groups K for S=20 r=10 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

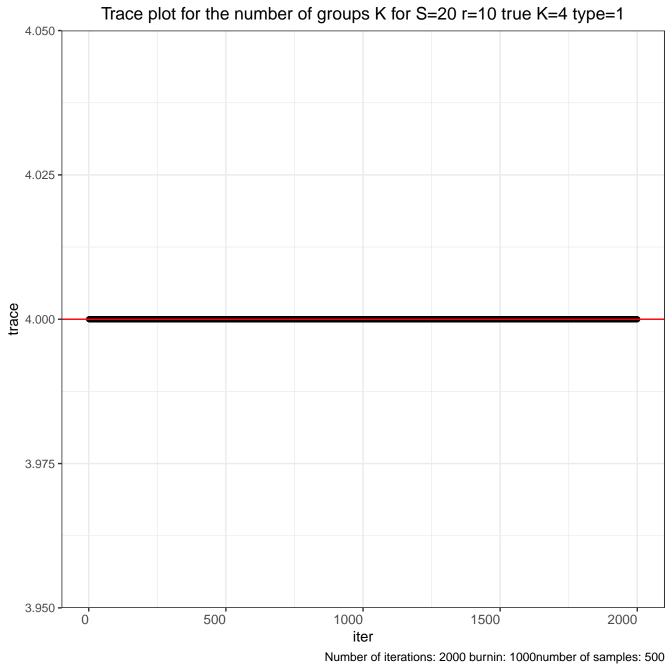


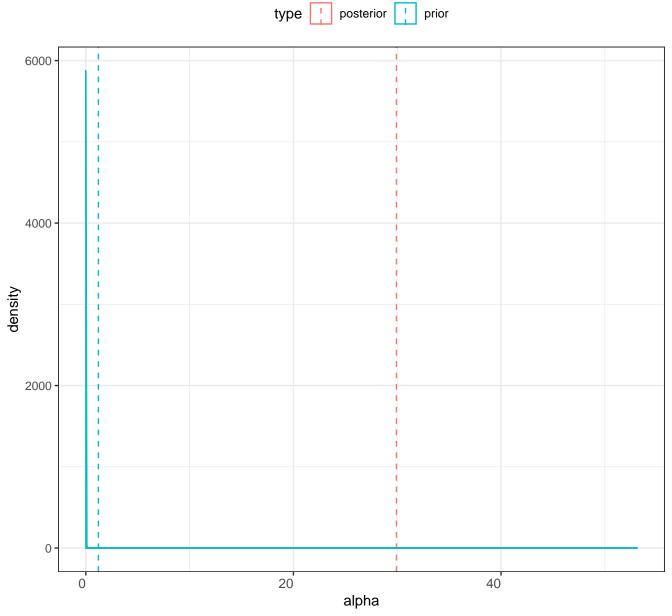


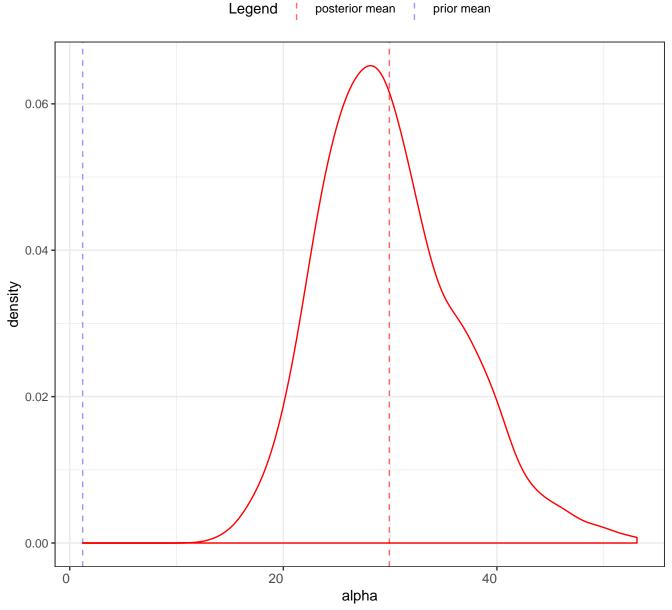
Weights for the case: S=20 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.005 0.10 -0.05 -0.00 50 100 150 0 tr

Number of iterations: 2000 burnin: 1000 number of samples: 500

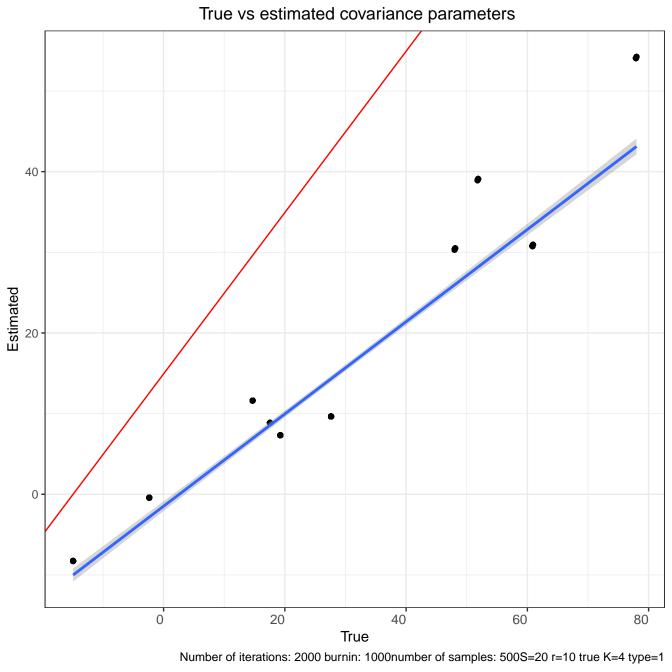




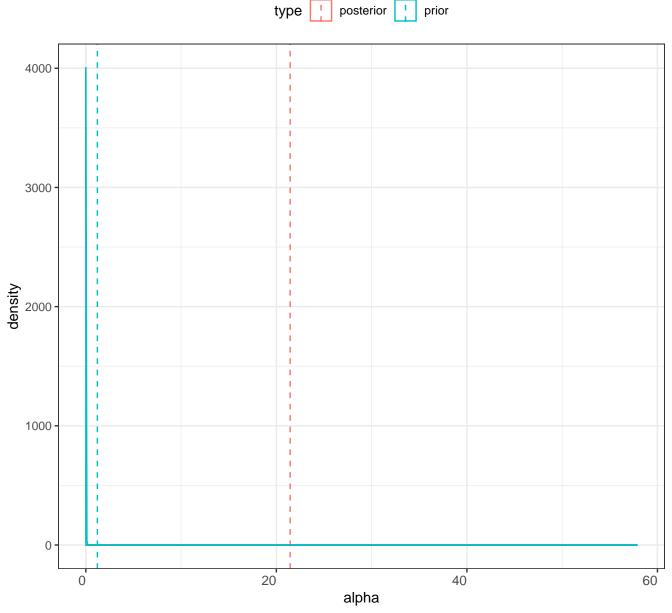


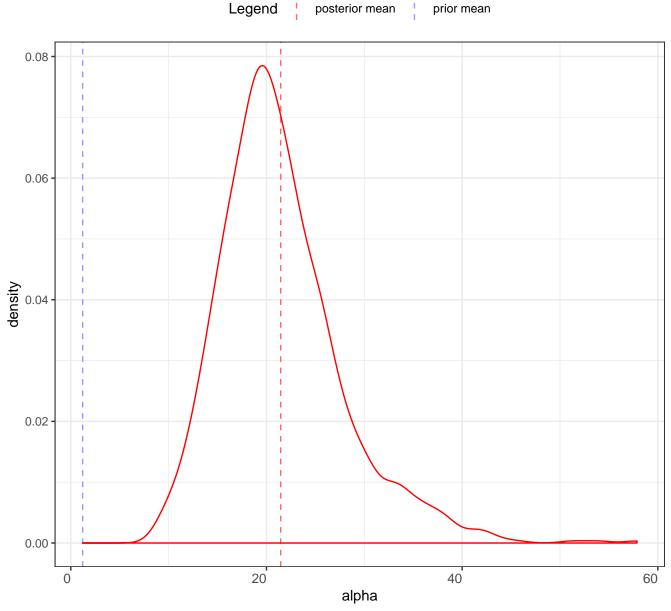


Weights for the case: S=20 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.01 0.075 -0.050 ă 0.025 -0.000 -50 100 150 tr

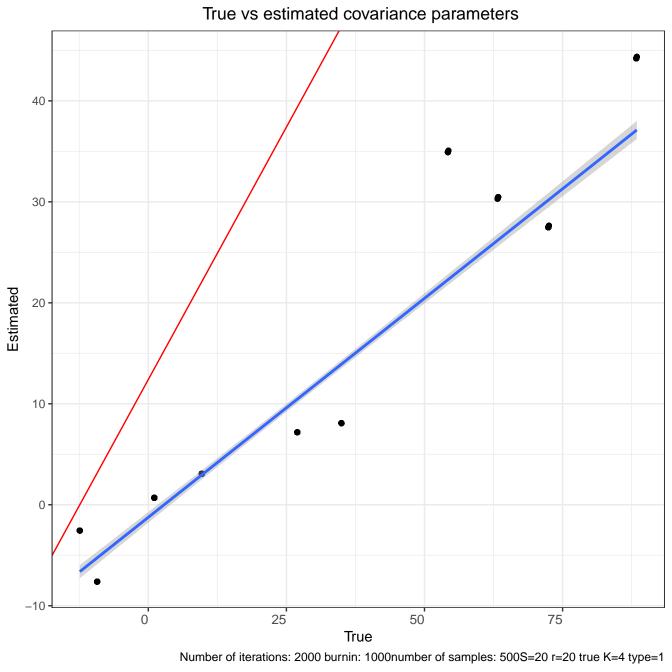


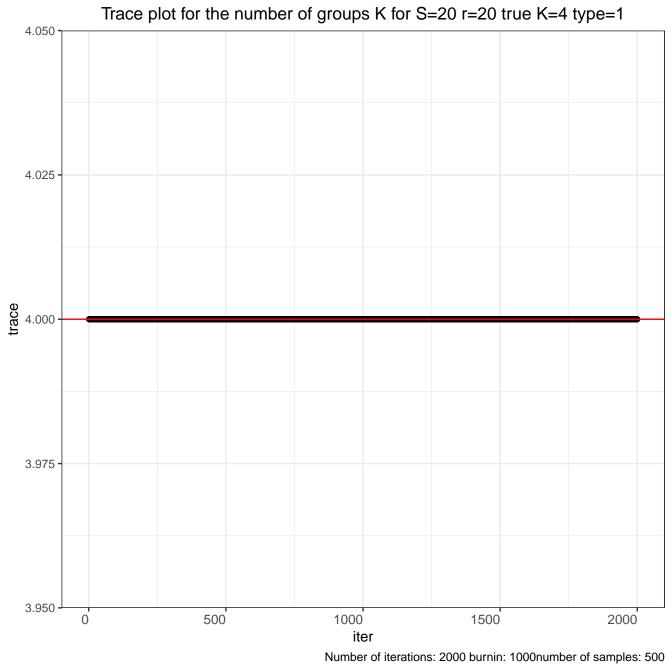
Trace plot for the number of groups K for S=20 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

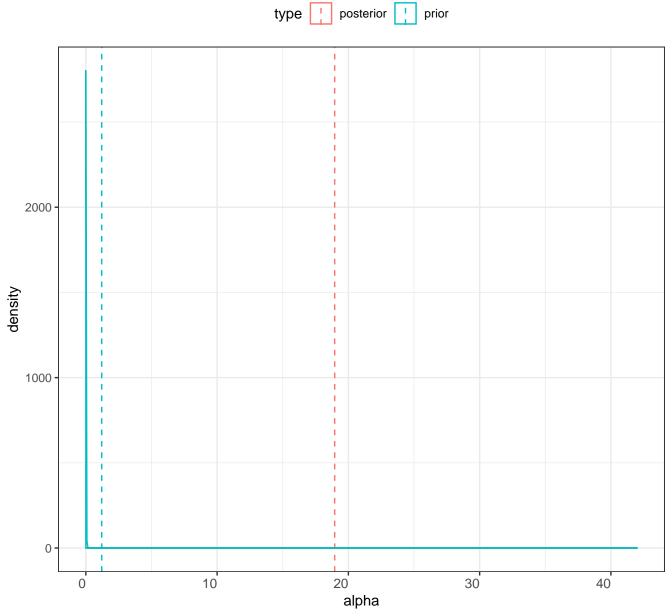


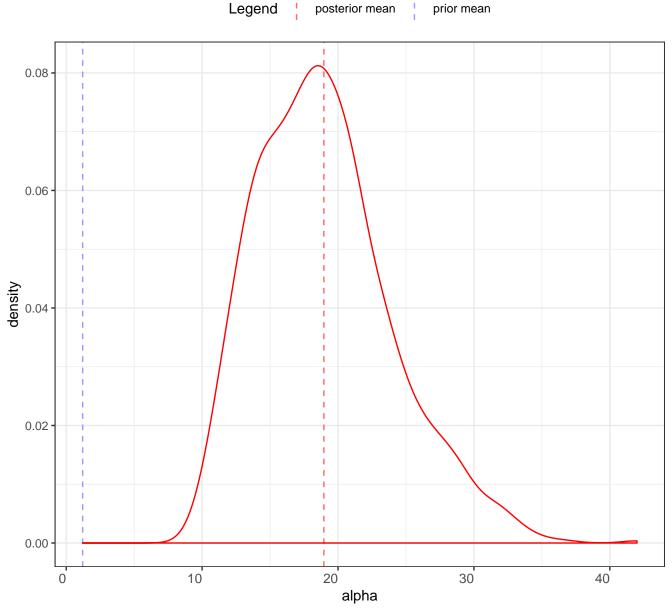


Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.003 0.15 -0.10 ă 0.05 -0.00 50 100 150 0 tr Number of iterations: 2000 burnin: 1000 number of samples: 500

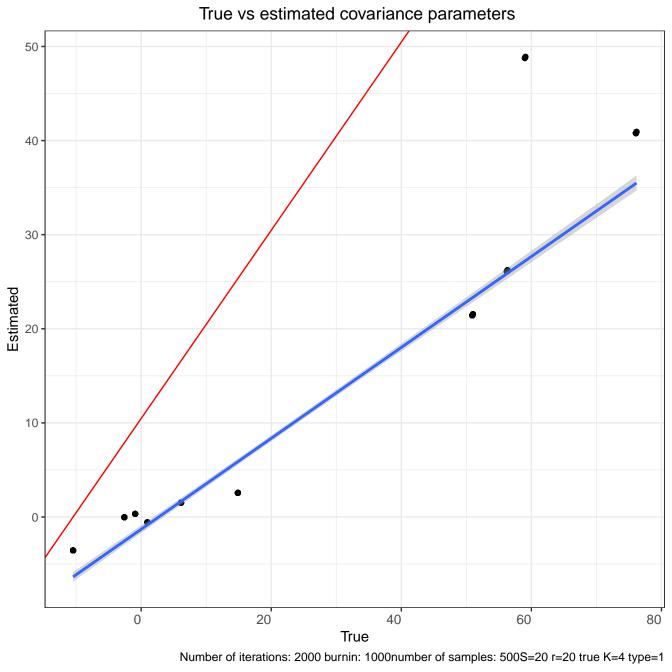


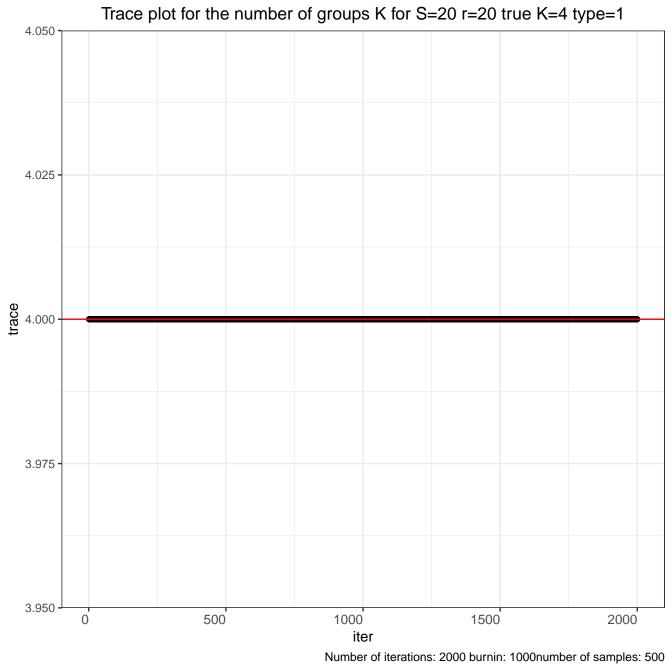


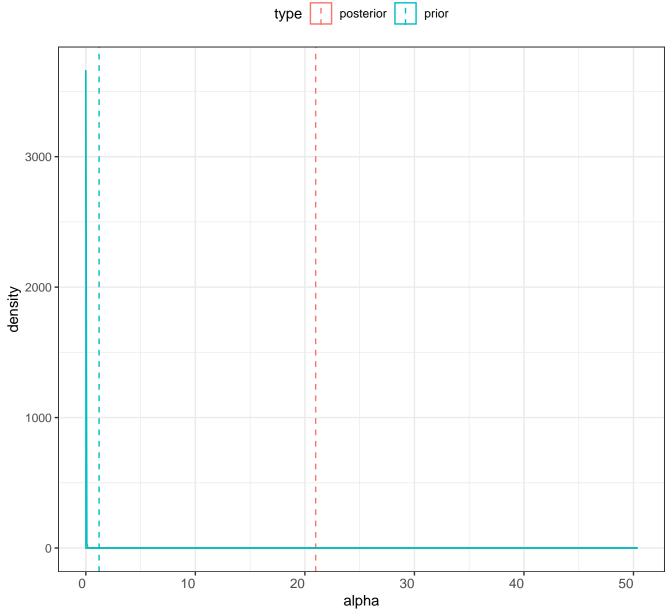


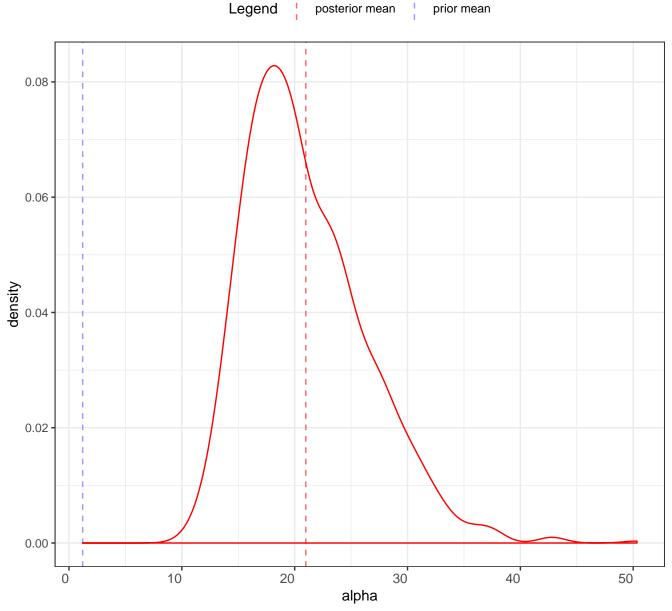


Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.001 0.09 -0.06 ă 0.03 -0.00 50 100 150 0 tr

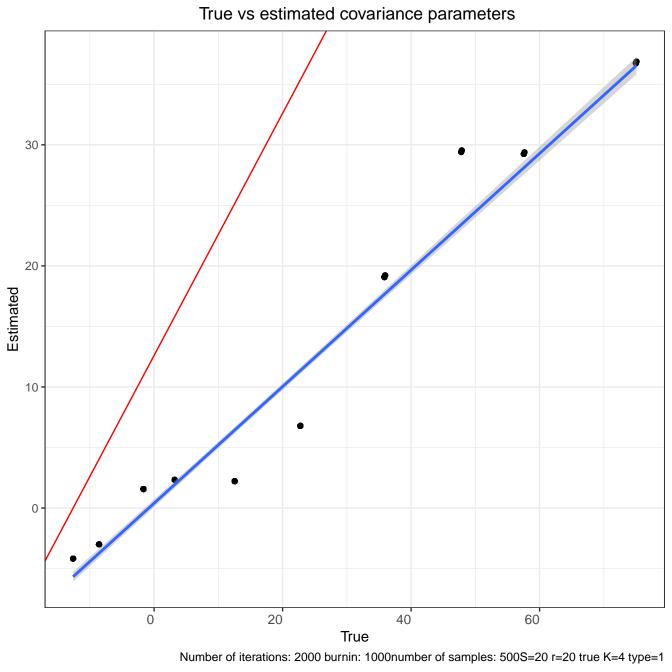


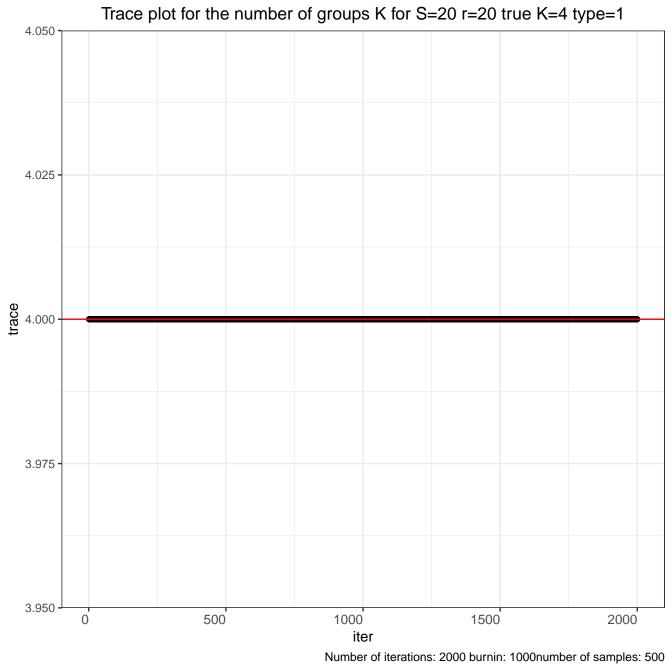


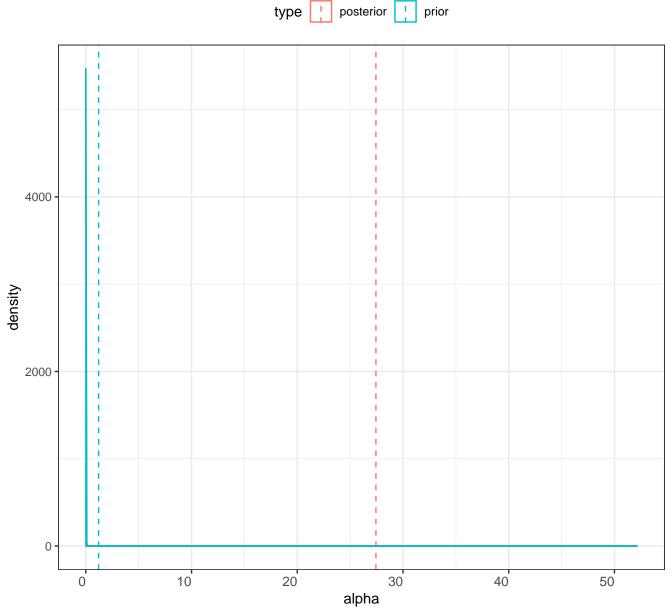


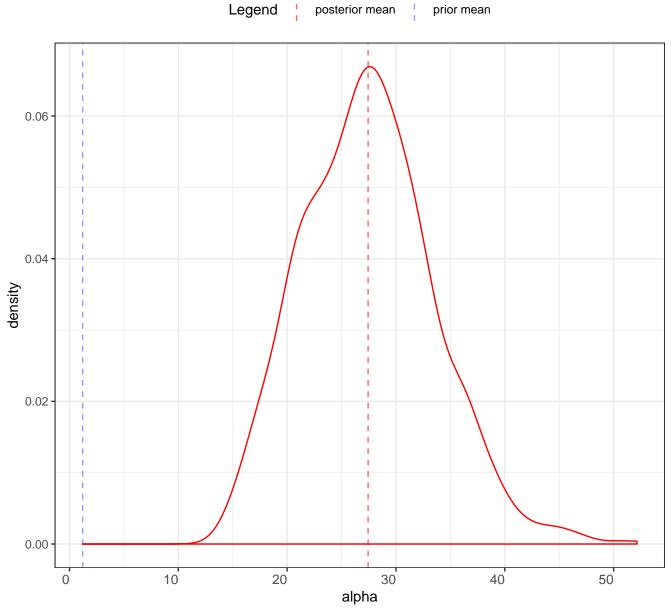


Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.002 0.100 -0.075 -0.050 -0.025 -0.000 -50 100 150 tr

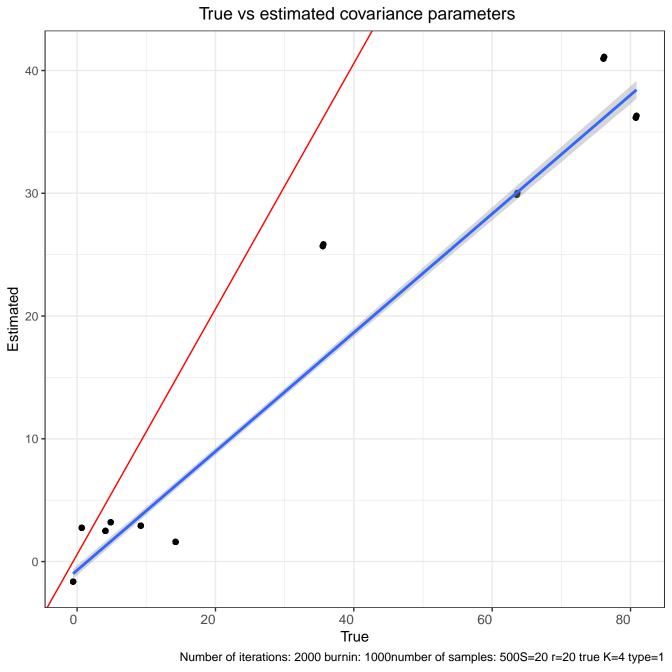




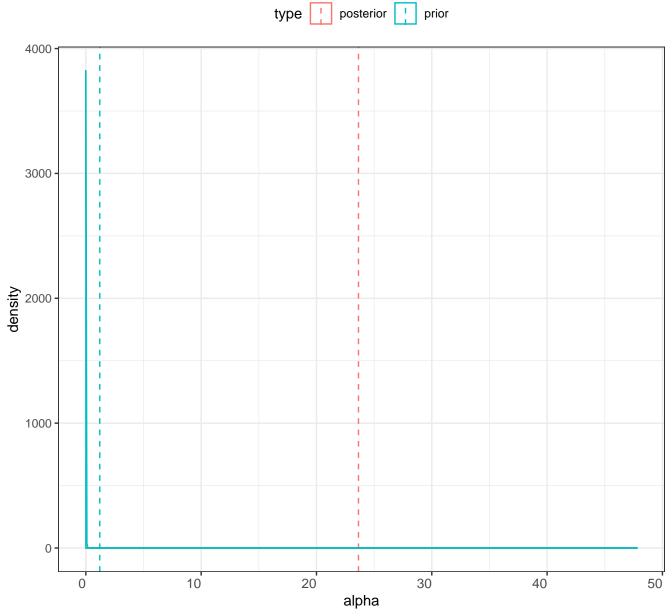


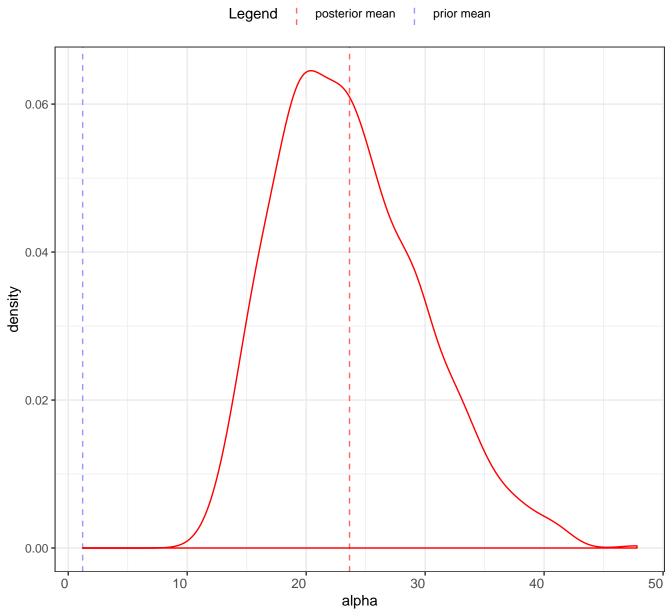


Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.007 0.075 -0.050 ă 0.025 -0.000 -50 100 150 tr

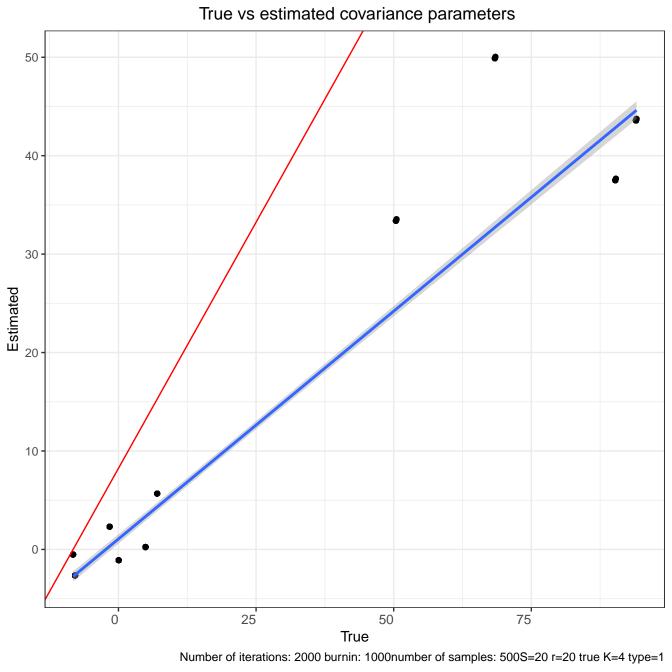


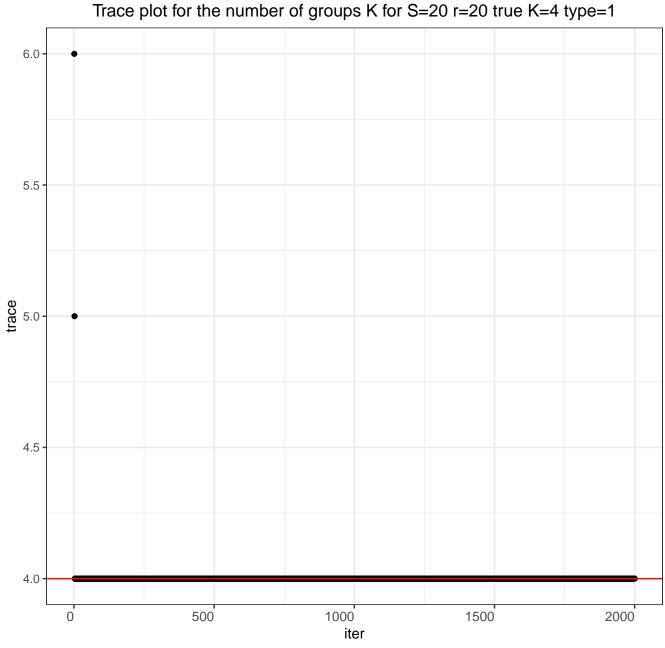
Trace plot for the number of groups K for S=20 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

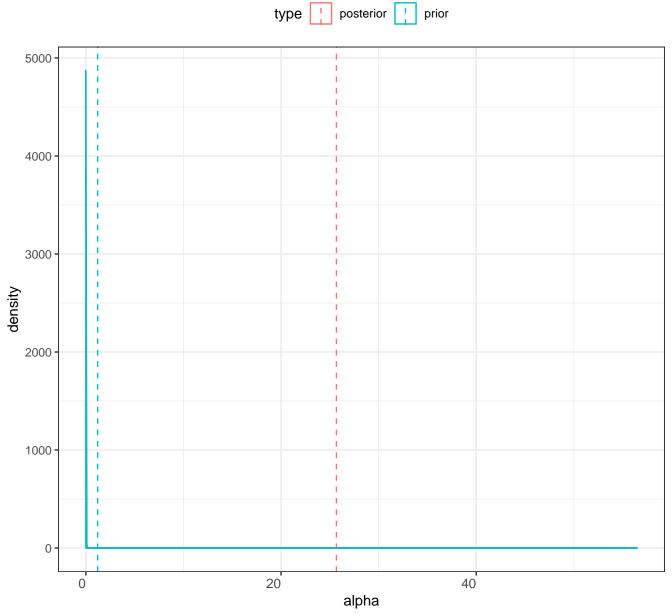


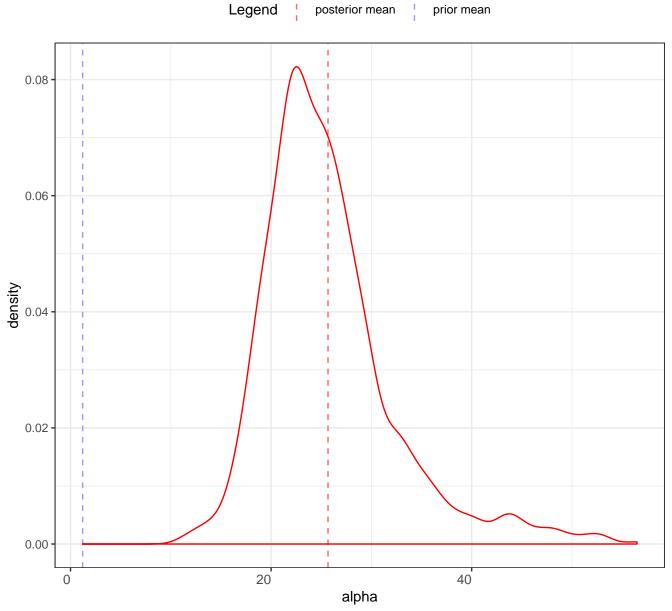


Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.004 0.12 0.09 -0.03 0.00 50 100 150 0 tr

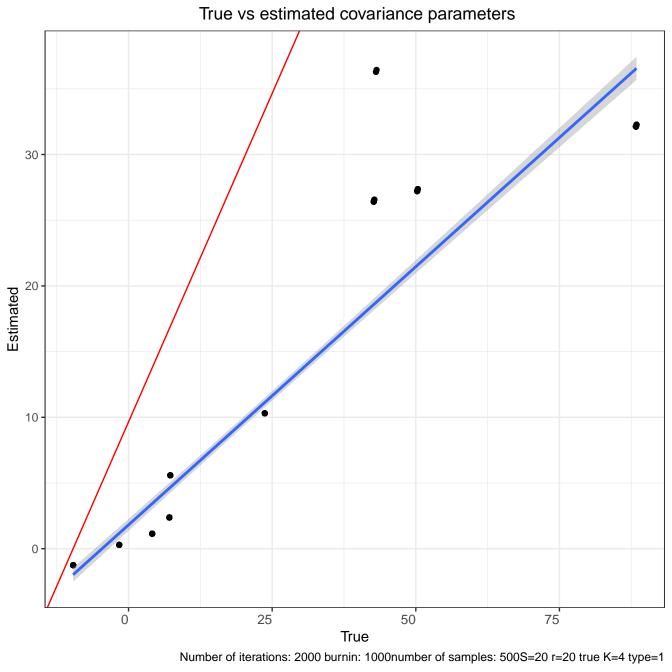




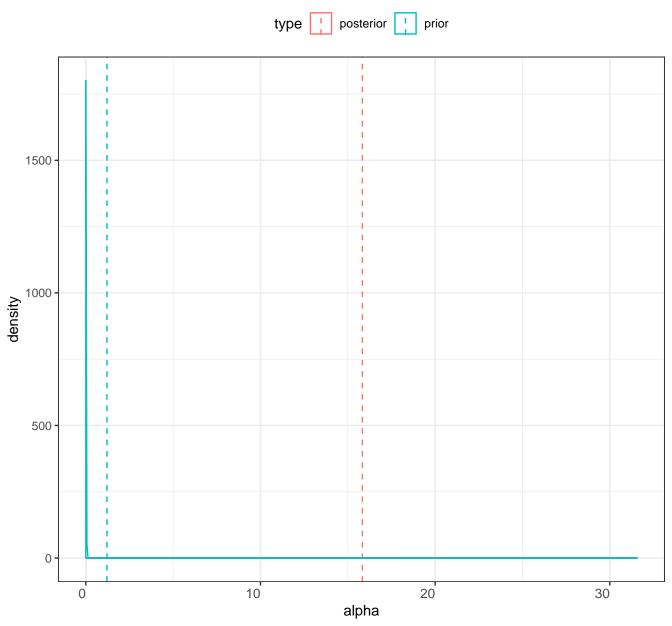


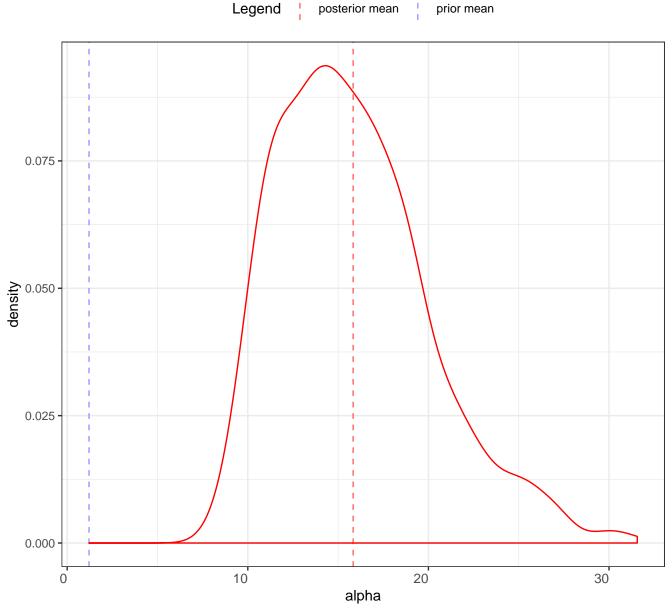


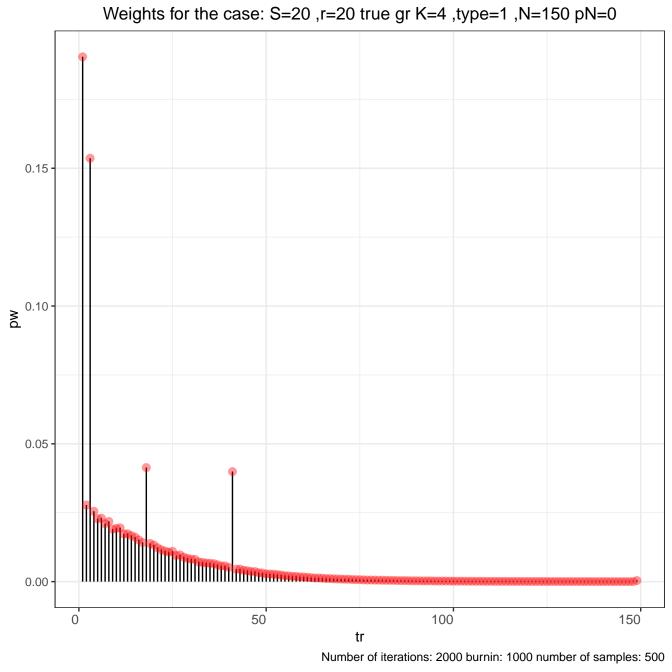
Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.005 0.10 -0.05 -0.00 50 100 150 0 tr

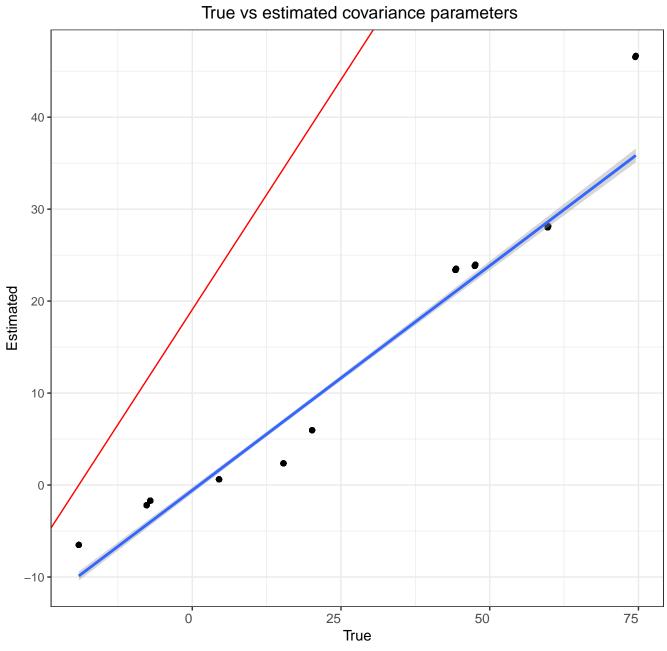


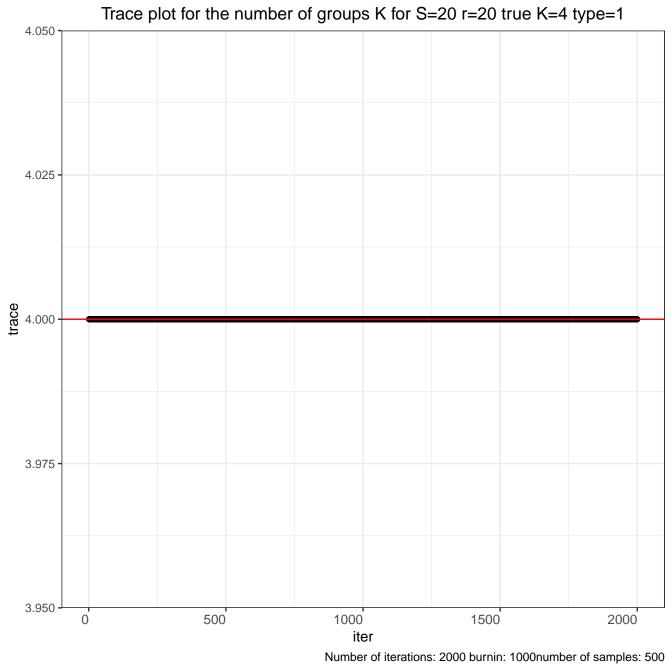
Trace plot for the number of groups K for S=20 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

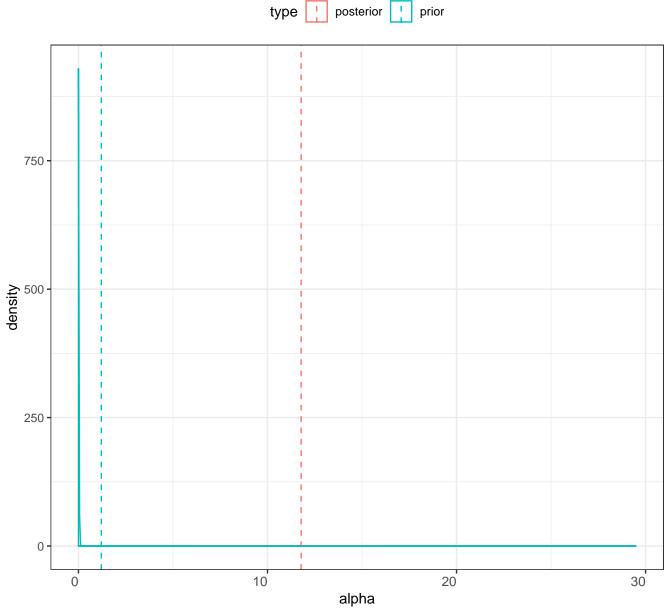


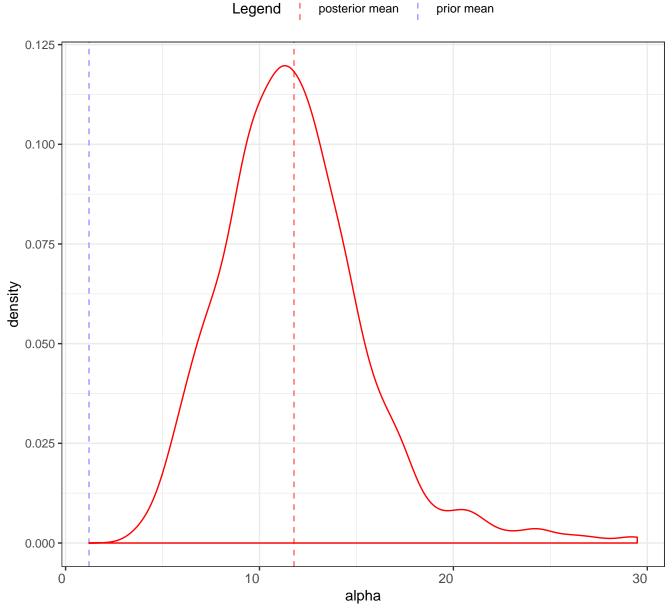




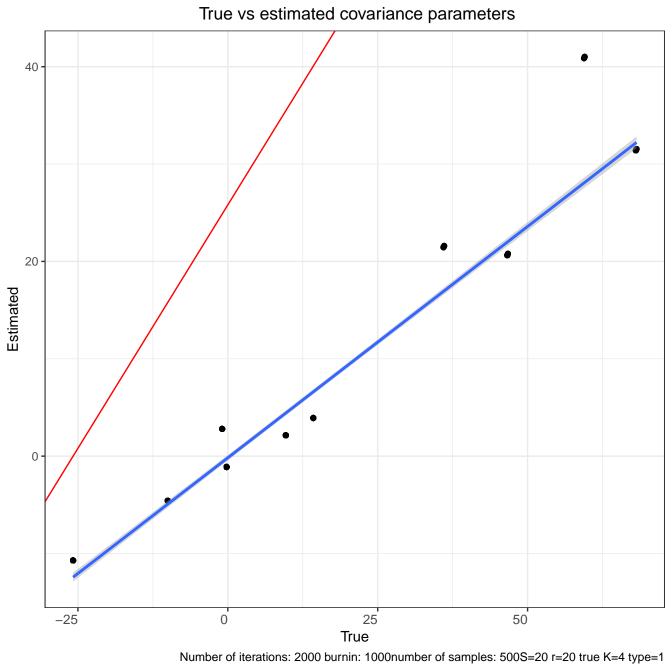


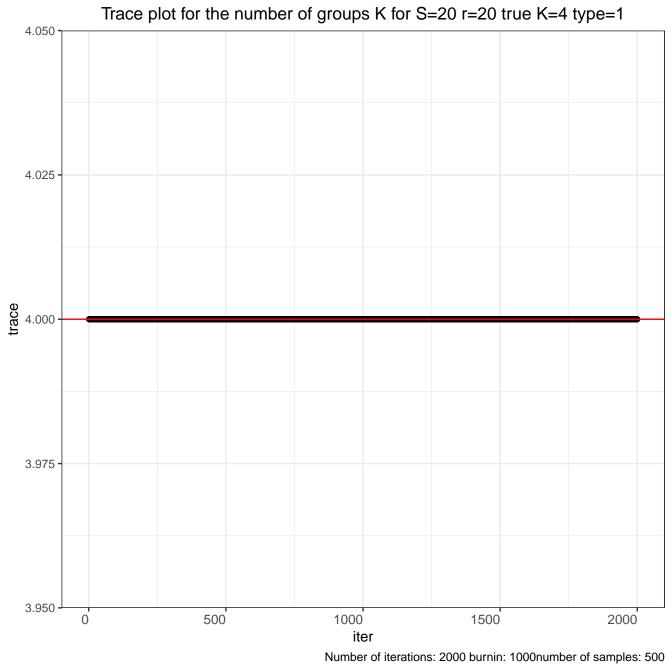


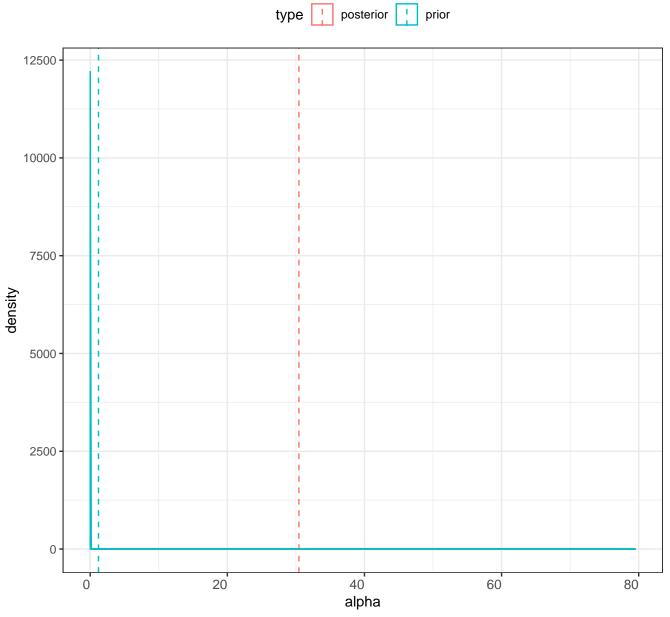


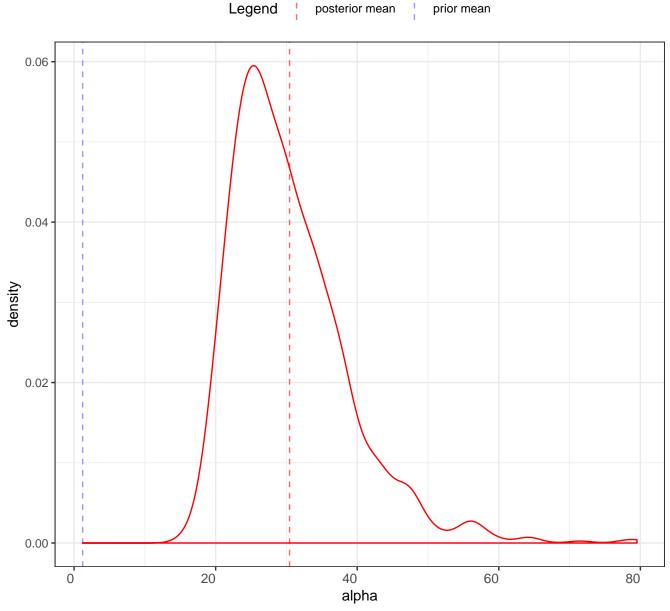


Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0 0.10 ă 0.05 -0.00 50 100 150 0 tr



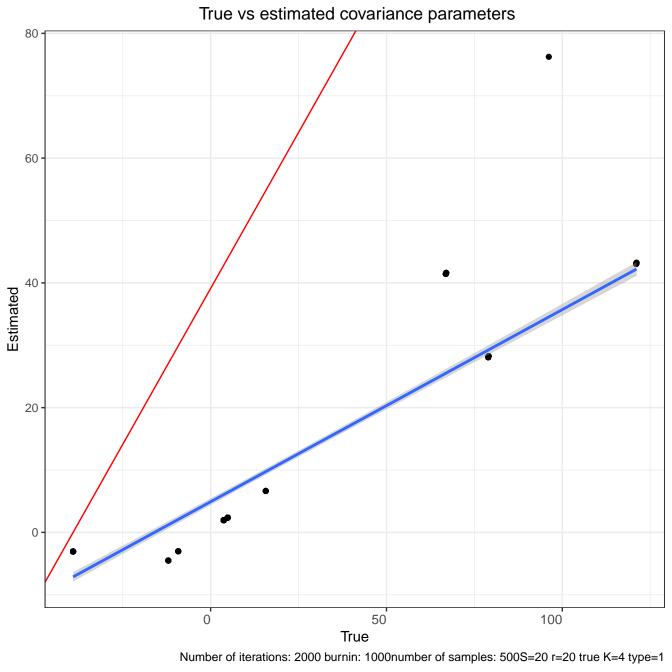


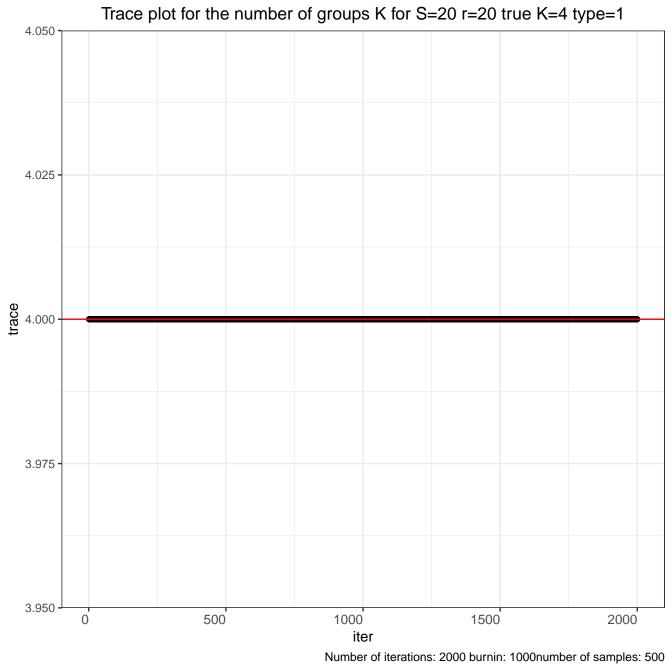


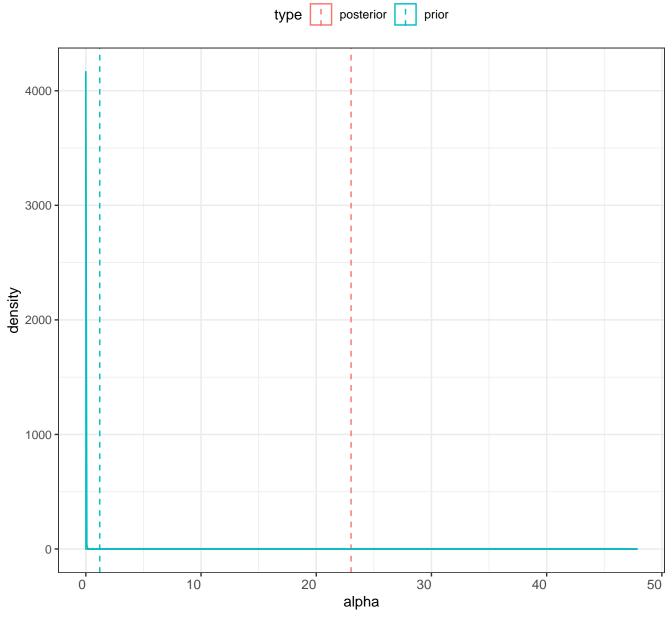


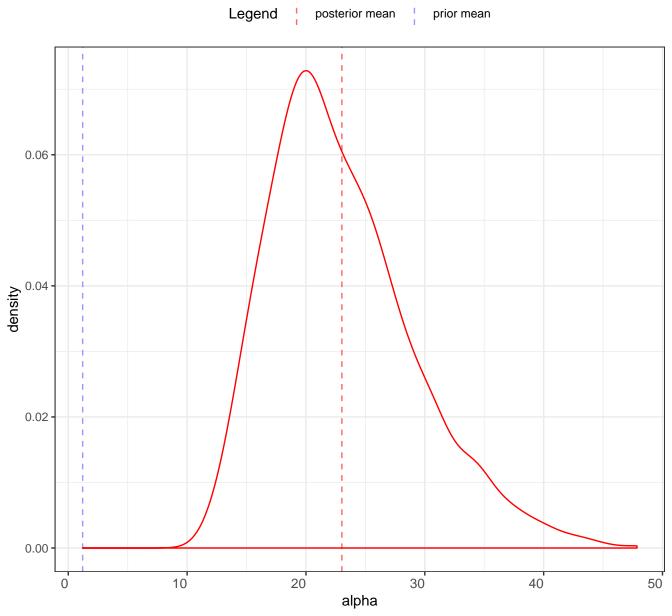
Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.011 0.10 -0.05 -0.00 50 100 150 0 tr

Number of iterations: 2000 burnin: 1000 number of samples: 500

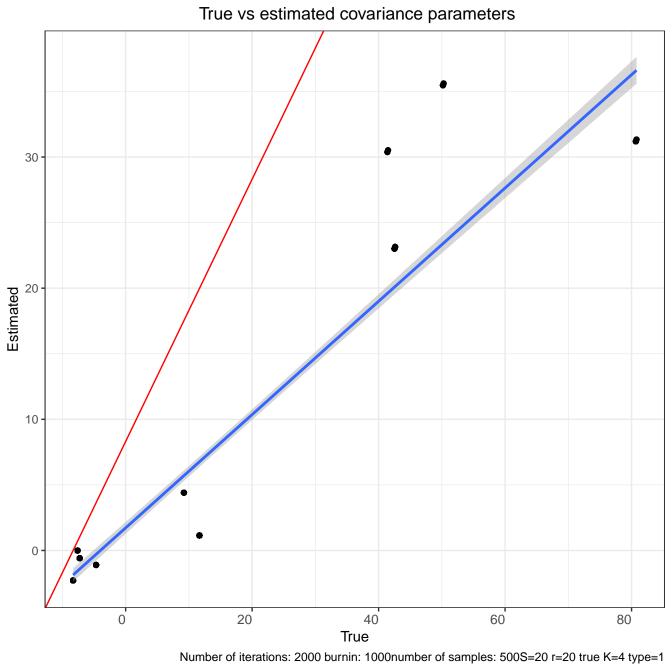


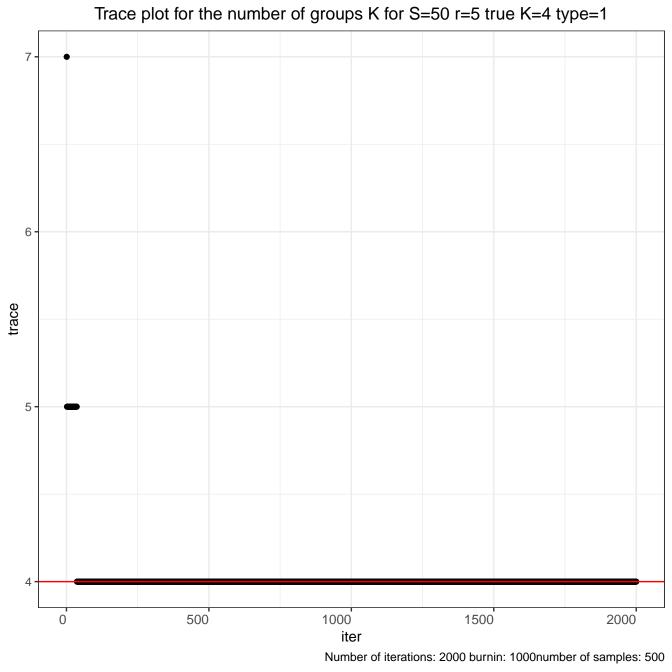


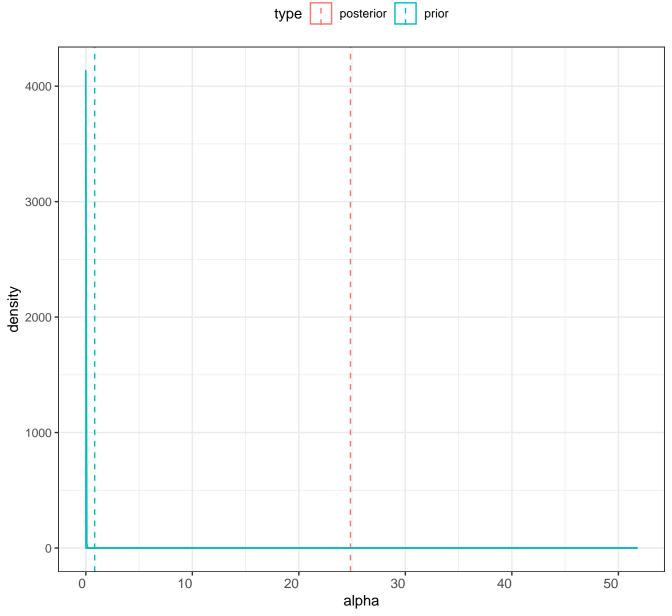


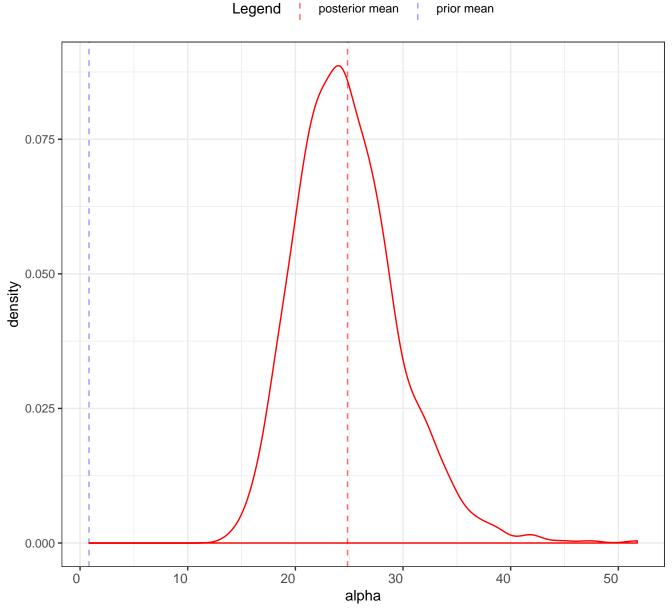


Weights for the case: S=20 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.003 0.100 0.075 -≥ 0.050 0.025 -0.000 -50 100 150 tr

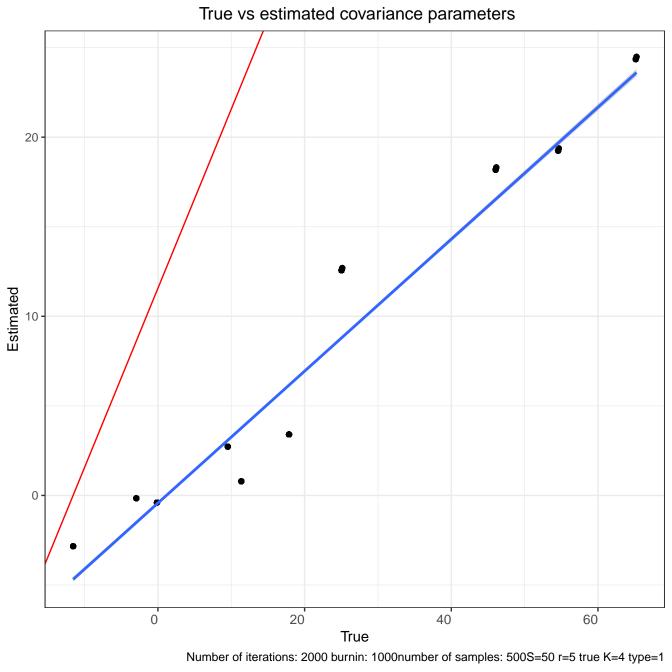




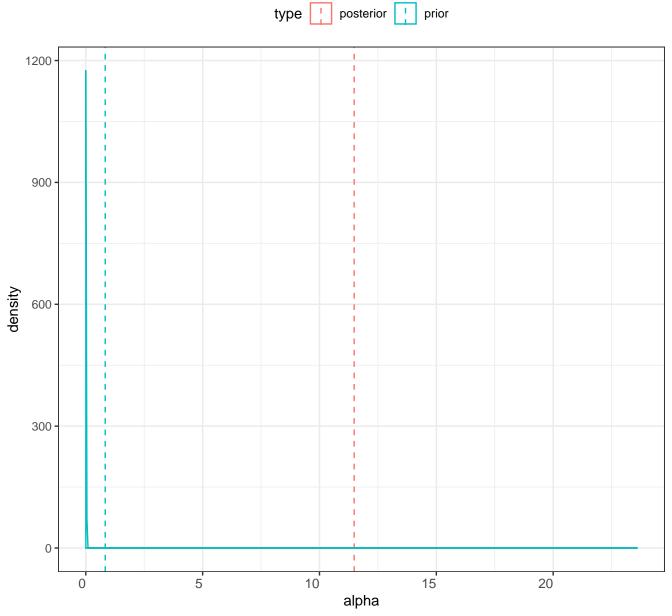


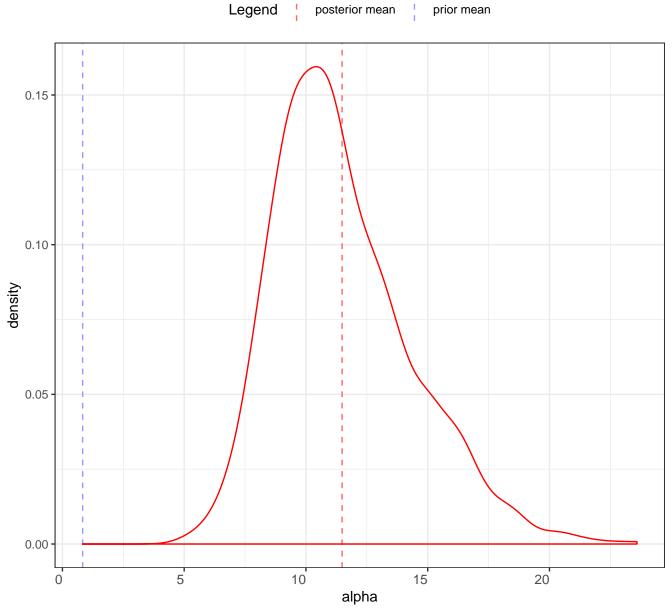


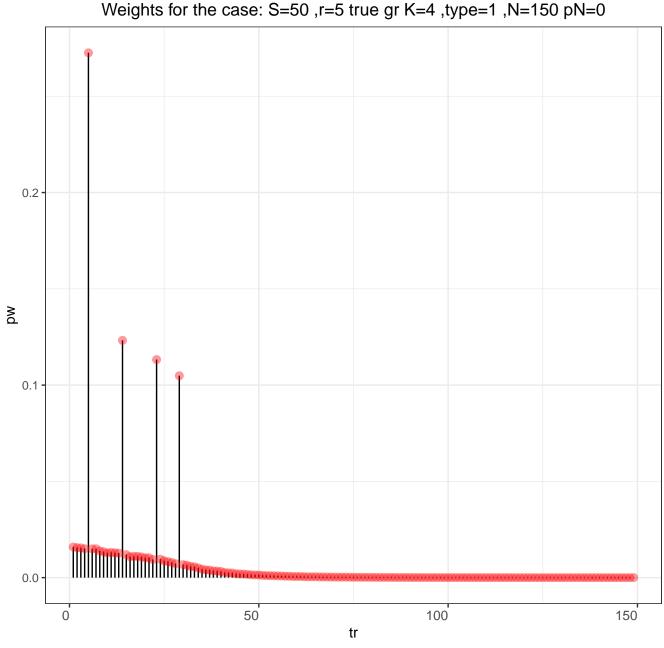
Weights for the case: S=50 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.004 0.15 -0.10 0.05 -0.00 50 100 150 0 tr

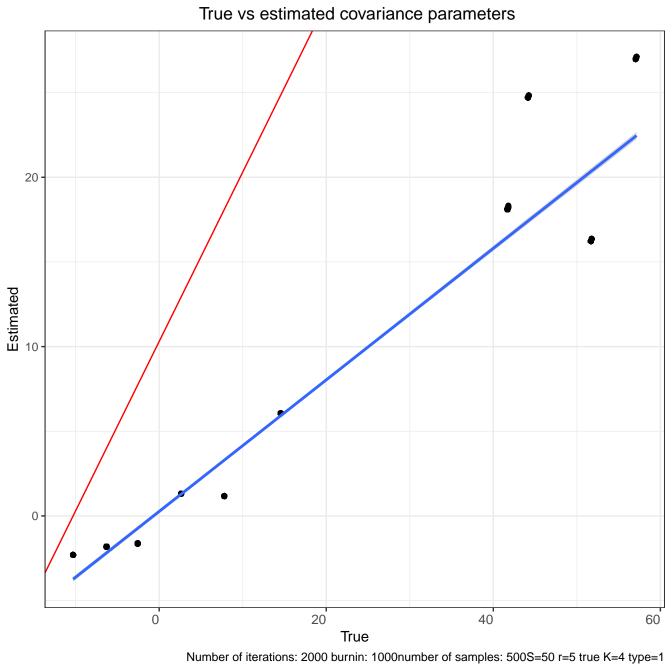


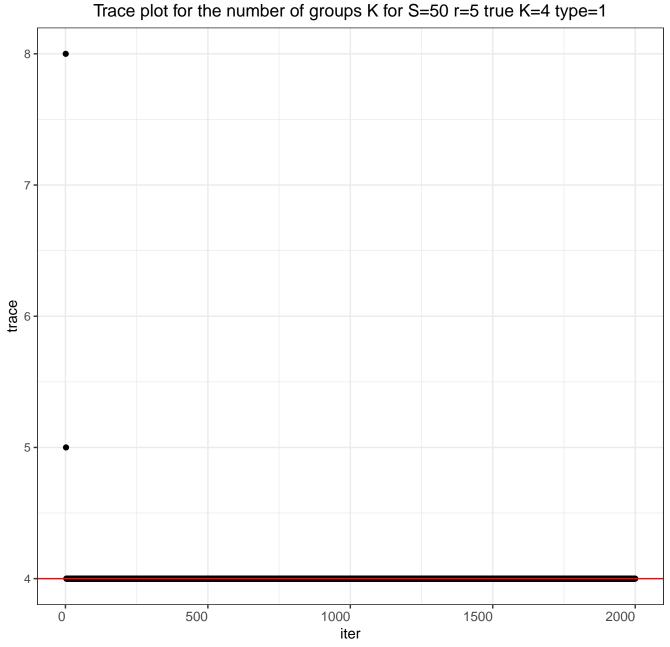
Trace plot for the number of groups K for S=50 r=5 true K=4 type=1 10 8 trace 6 -1000 2000 500 1500 iter

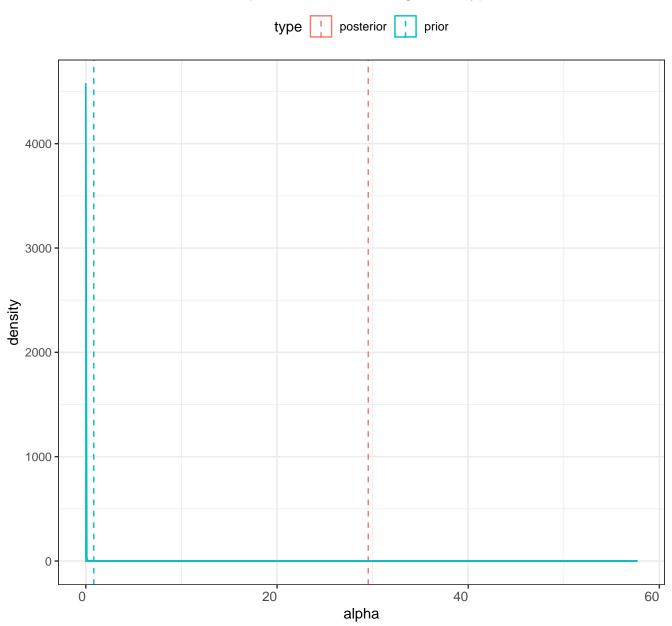


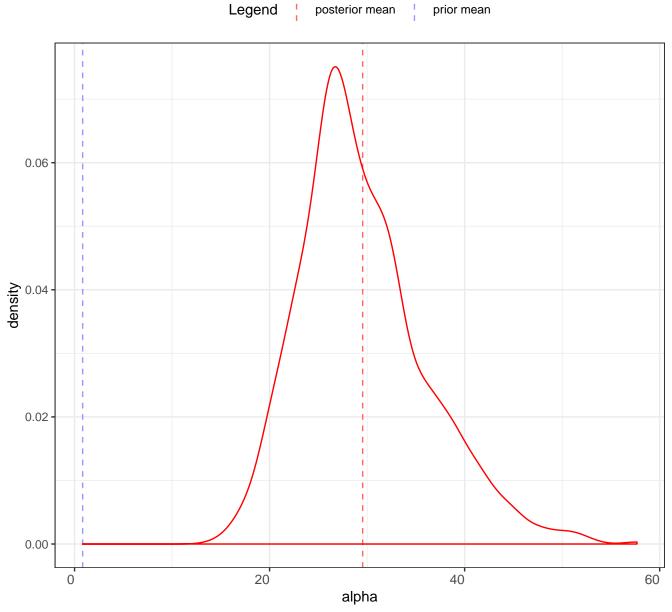




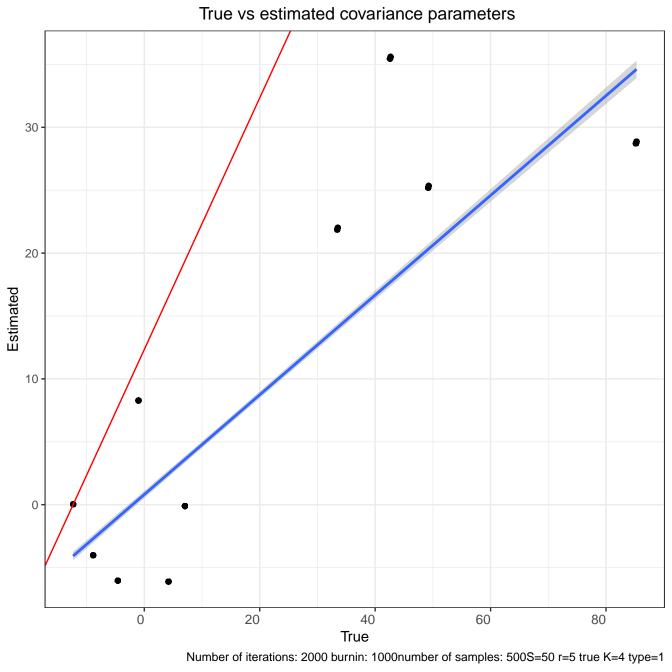


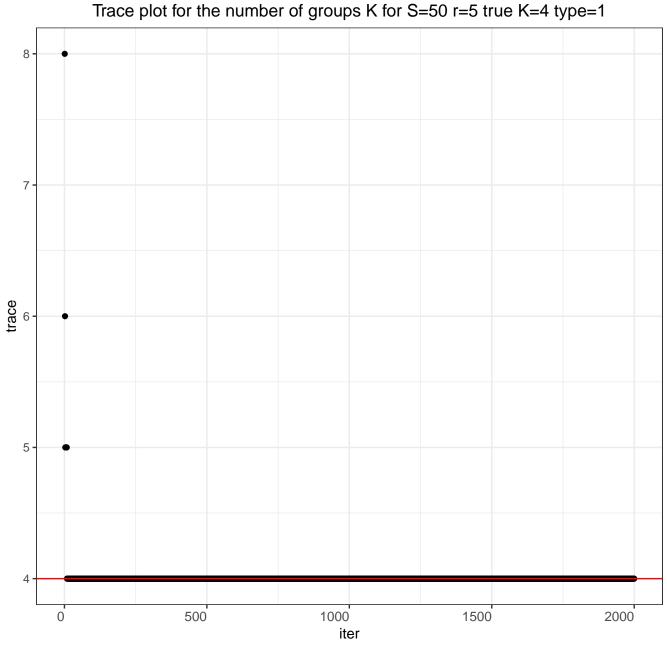


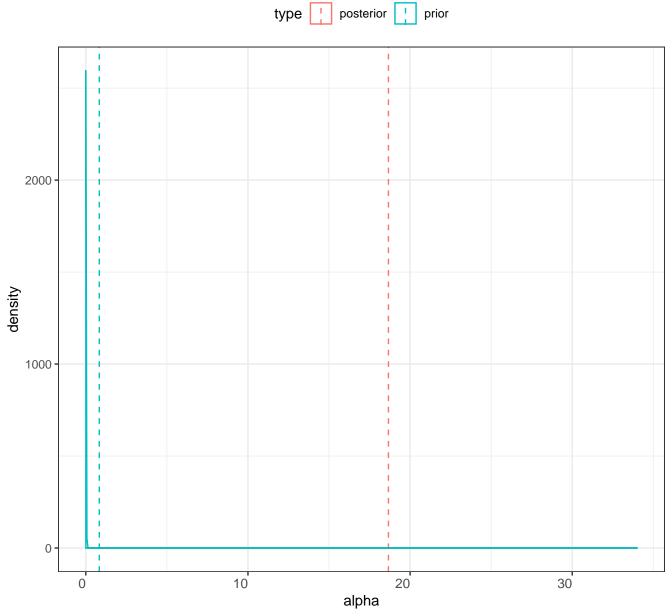


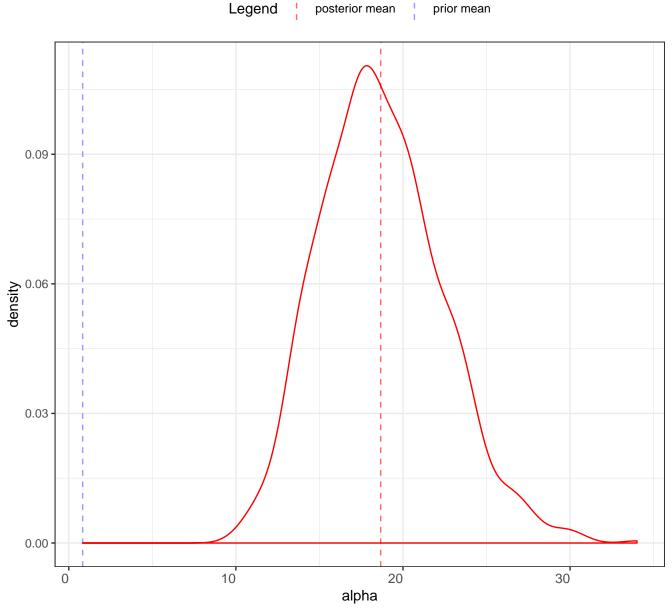


Weights for the case: S=50 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.009 0.15 -0.10 -0.05 -0.00 50 100 150 0 tr

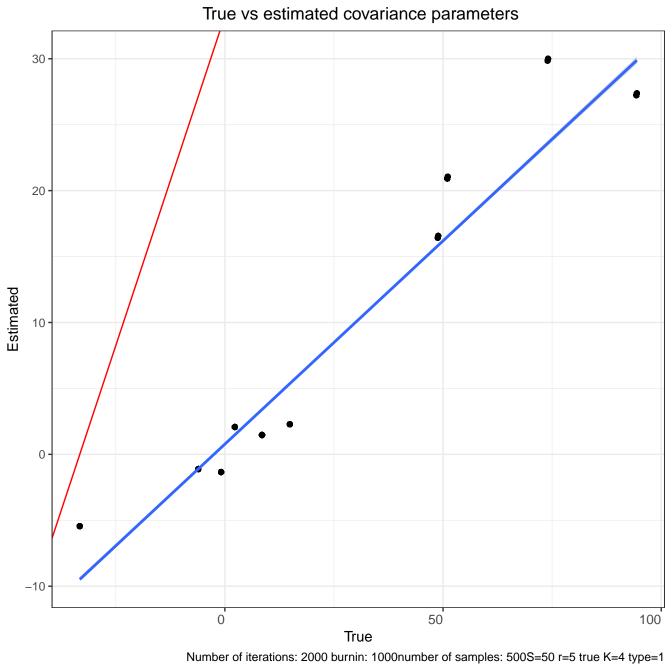


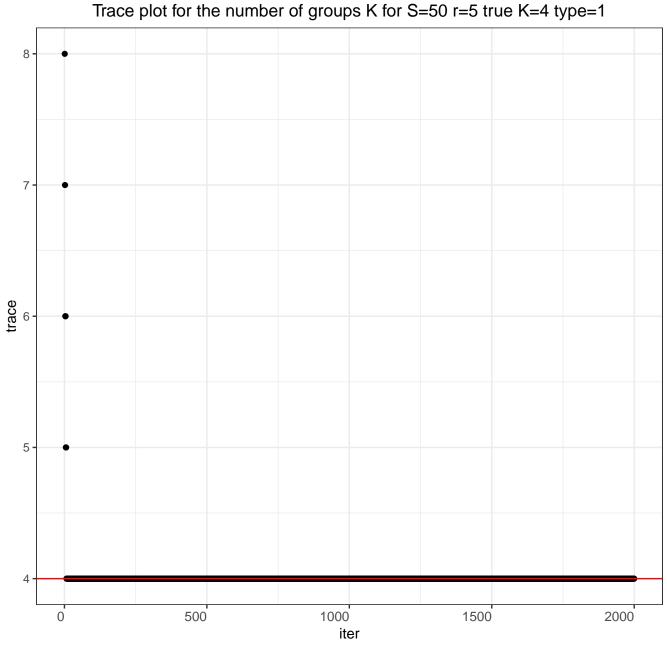


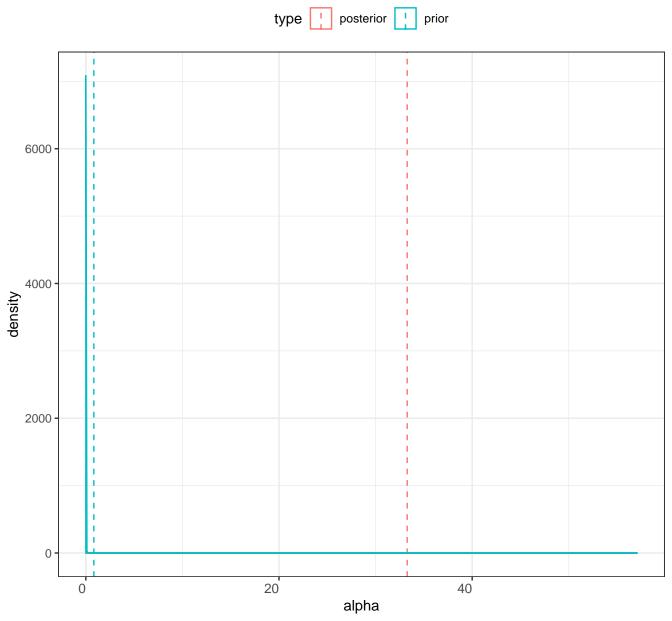


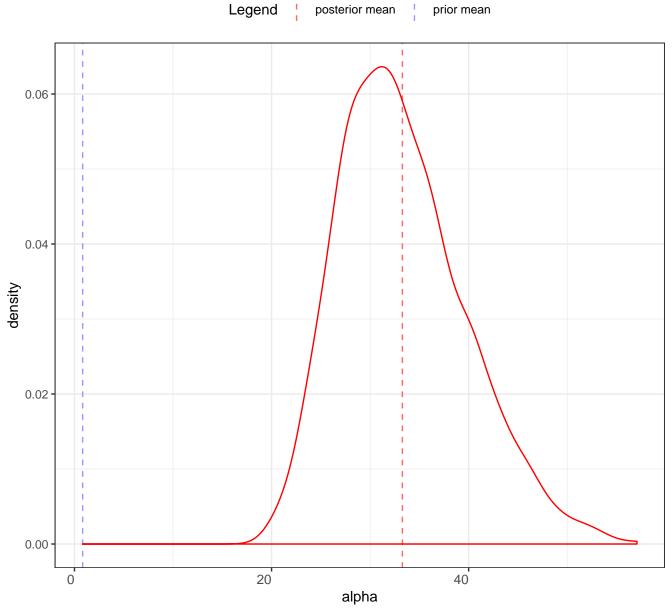


Weights for the case: S=50, r=5 true gr K=4, type=1, N=150 pN=0.001 0.25 0.20 0.15 ă 0.10 0.05 0.00 50 100 150 0 tr

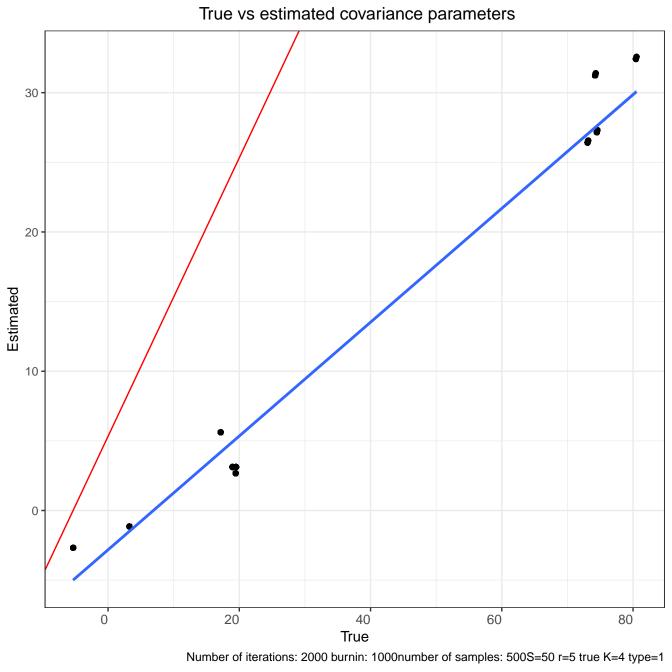


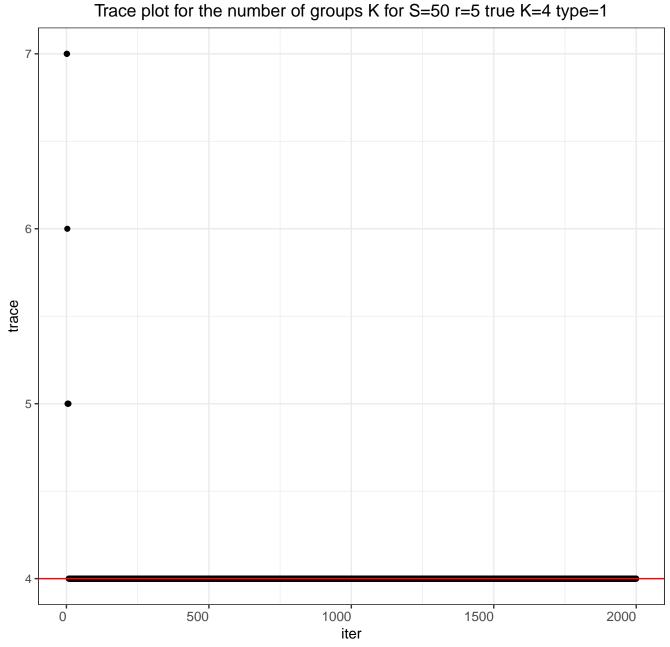


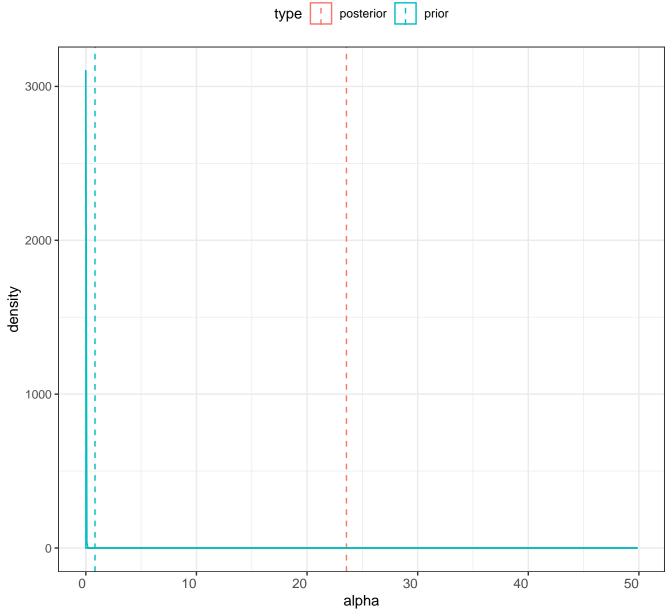


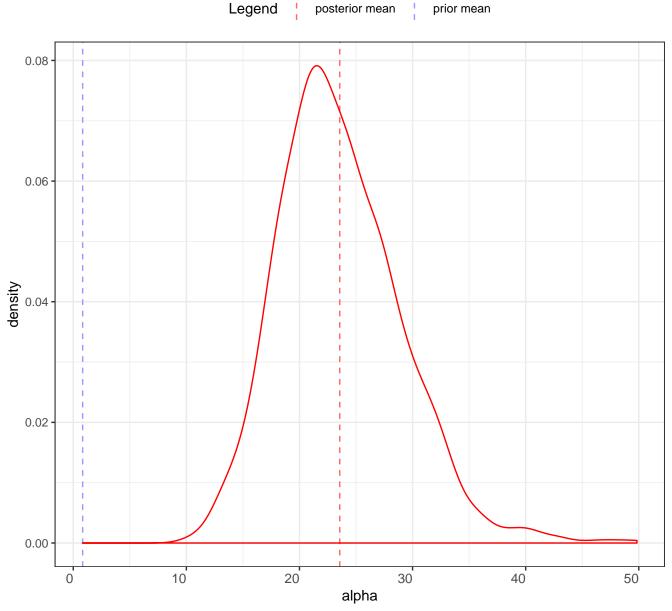


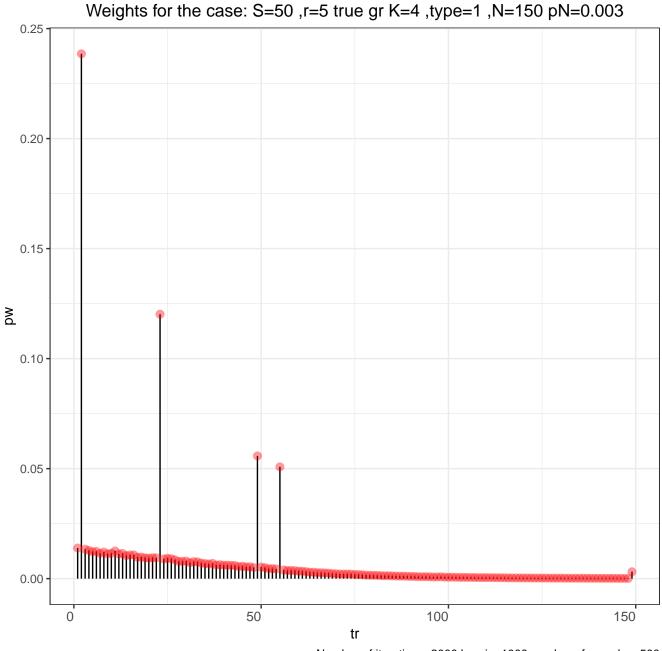
Weights for the case: S=50 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.014 0.15 0.10 -0.05 0.00 50 100 150 0 tr

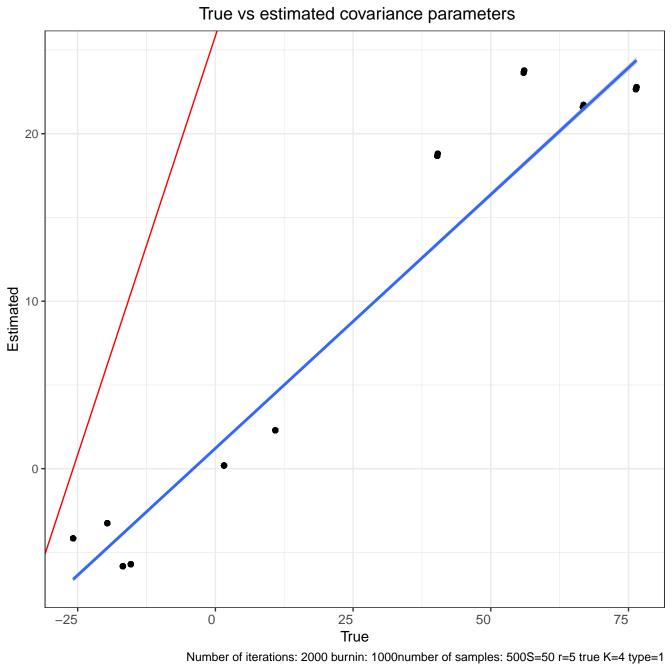


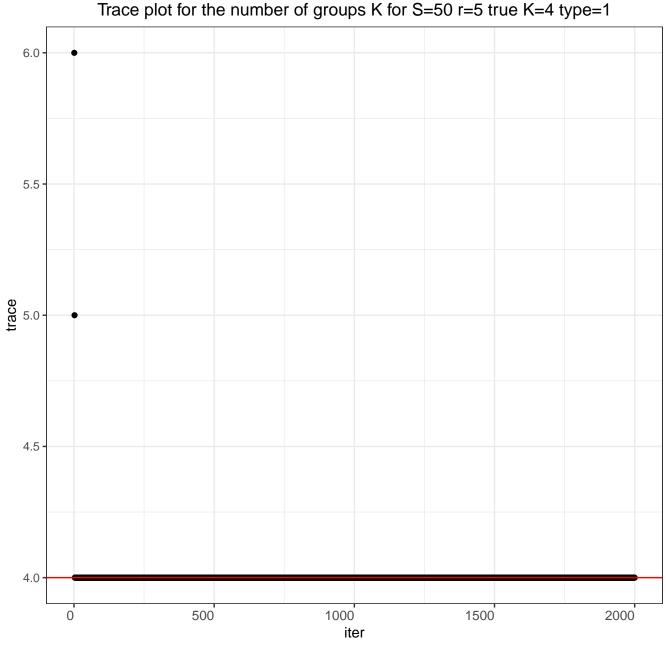




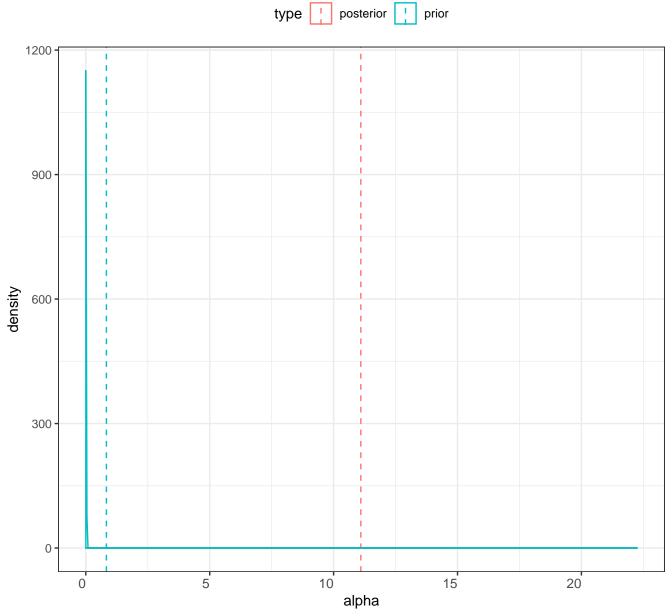


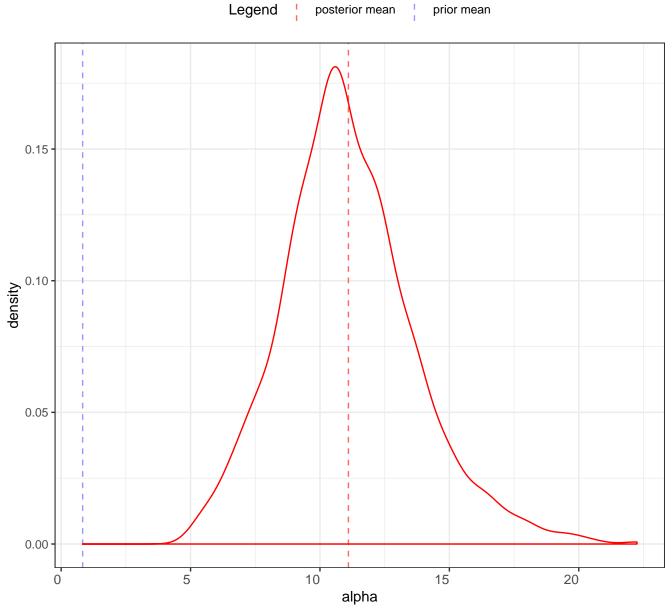




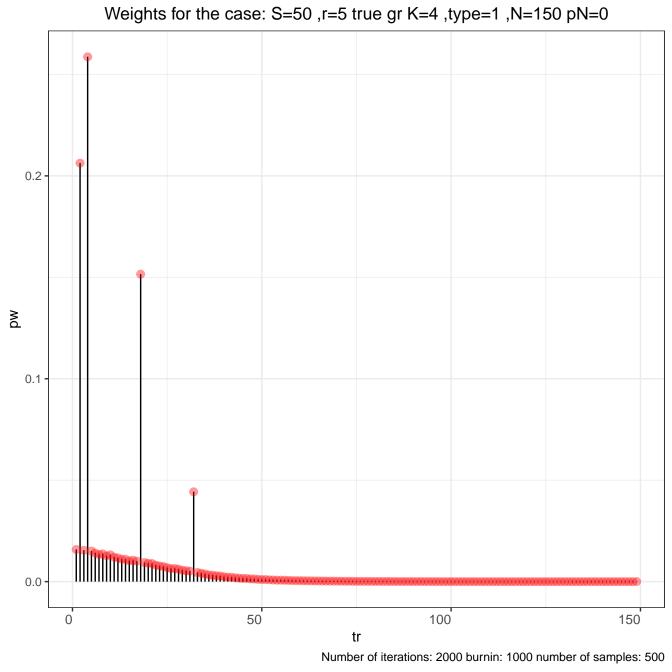


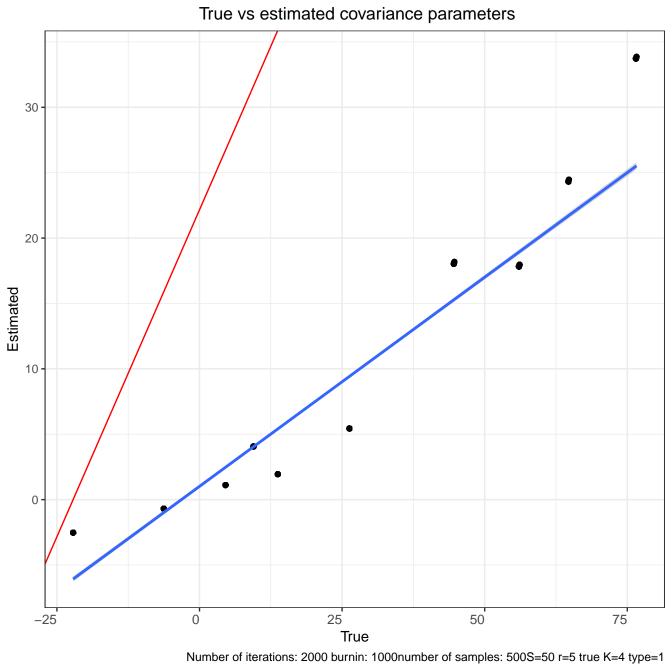
#### Distribution alpha: S=50 ,r=5 true gr K=4 ,type=1 ,N=150

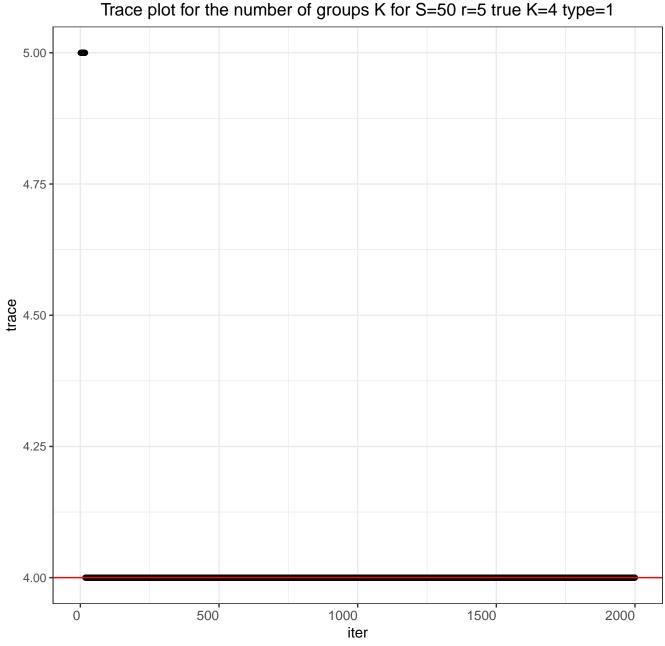




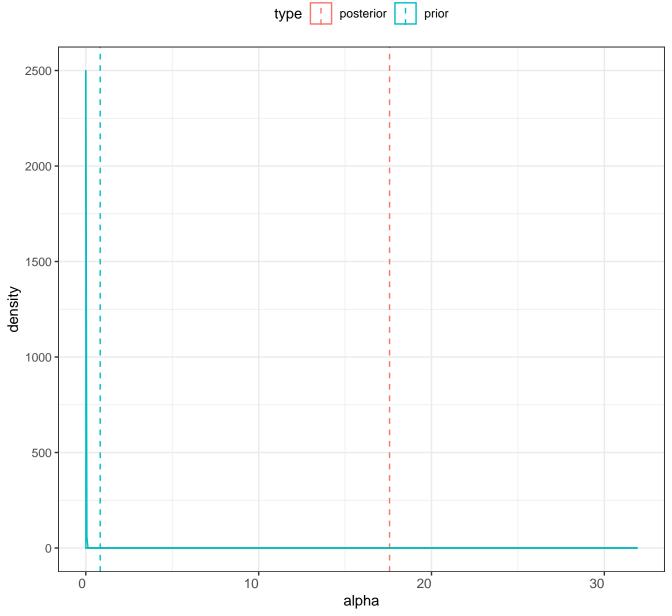
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=1 ,N=150

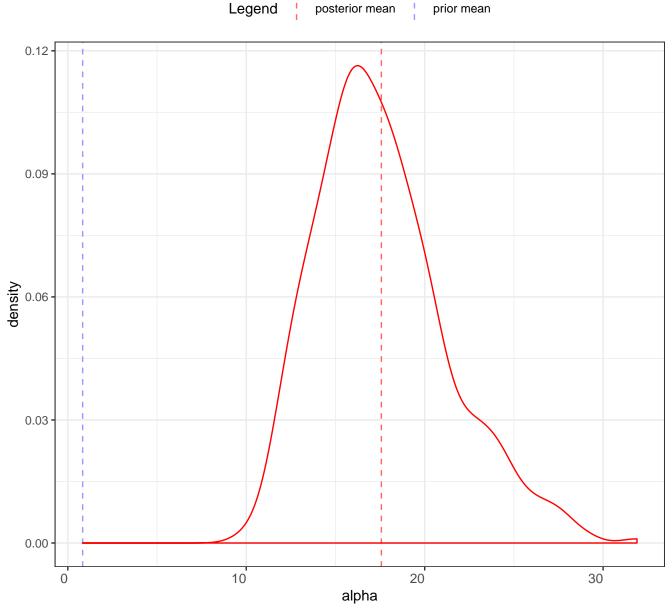






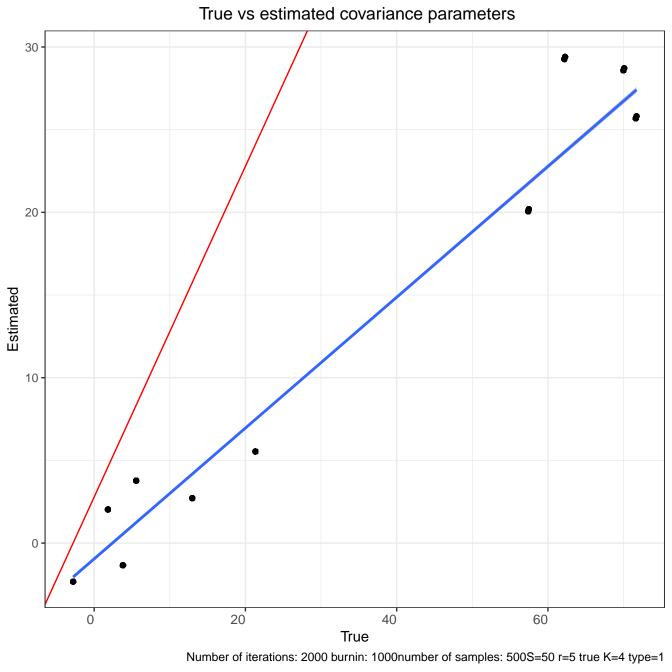
## Distribution alpha: S=50 ,r=5 true gr K=4 ,type=1 ,N=150





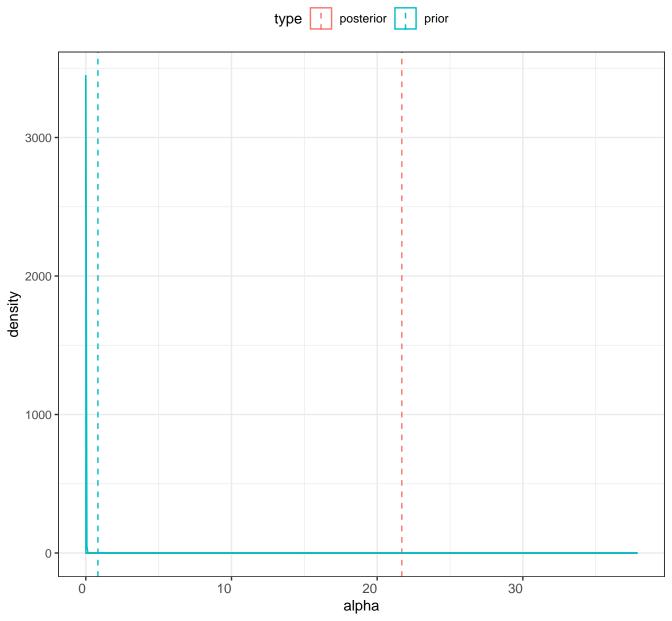
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=1 ,N=150

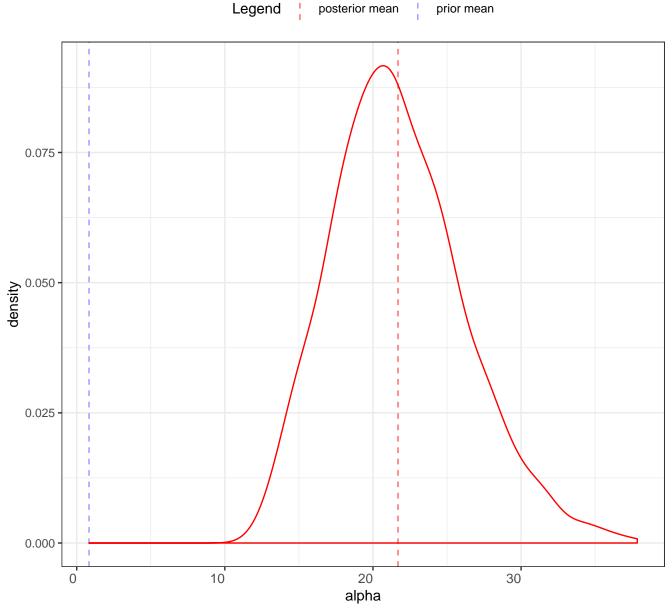
Weights for the case: S=50 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0 0.25 0.20 -0.15 ă 0.10 -0.05 -0.00 -50 100 150 0 tr



Trace plot for the number of groups K for S=50 r=5 true K=4 type=1 12 10 -6 -1000 2000 1500 500 iter

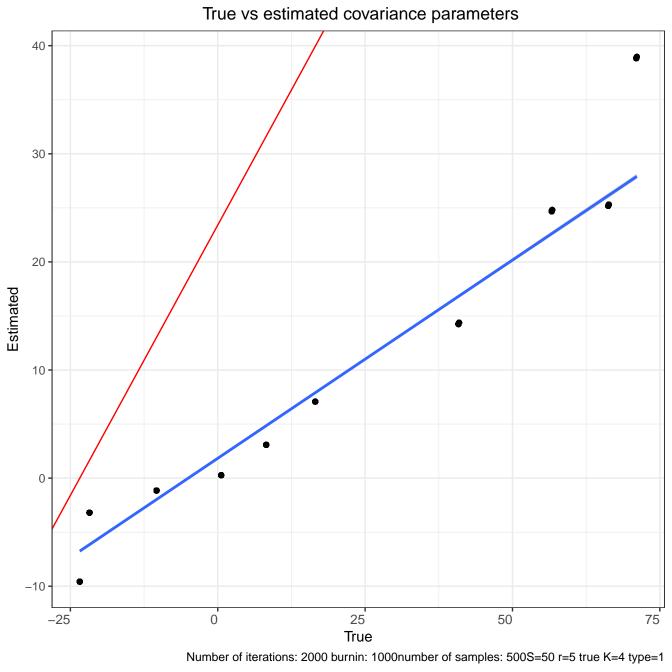
#### Distribution alpha: S=50 ,r=5 true gr K=4 ,type=1 ,N=150

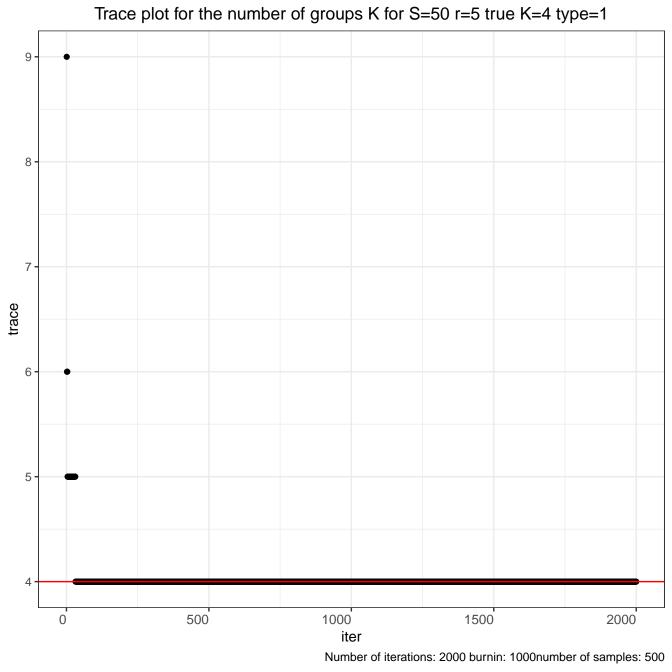




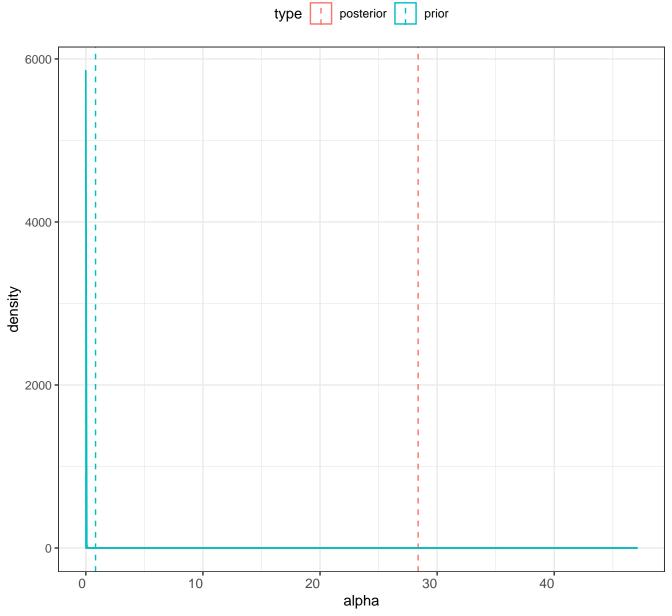
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=1 ,N=150

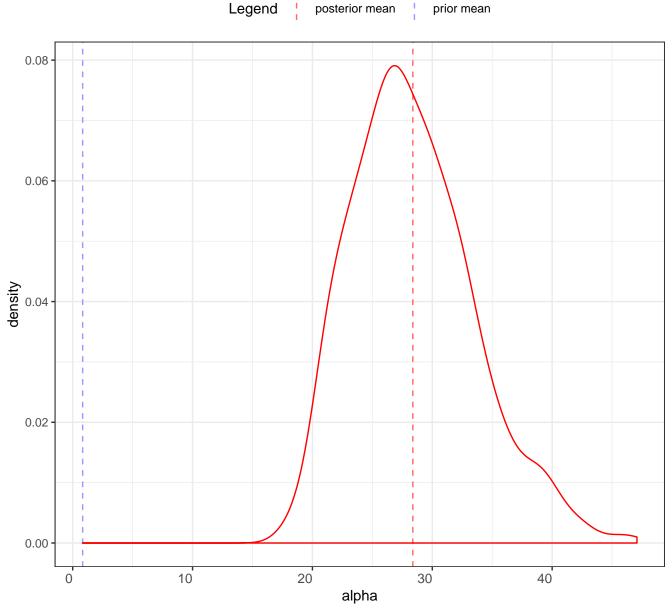
Weights for the case: S=50 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.002 0.20 0.15 -0.10 0.05 -0.00 50 100 150 0 tr





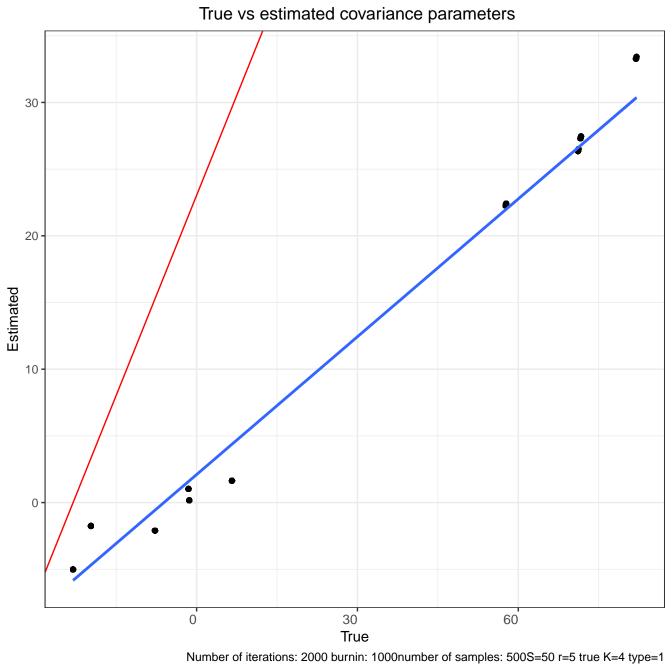
## Distribution alpha: S=50 ,r=5 true gr K=4 ,type=1 ,N=150

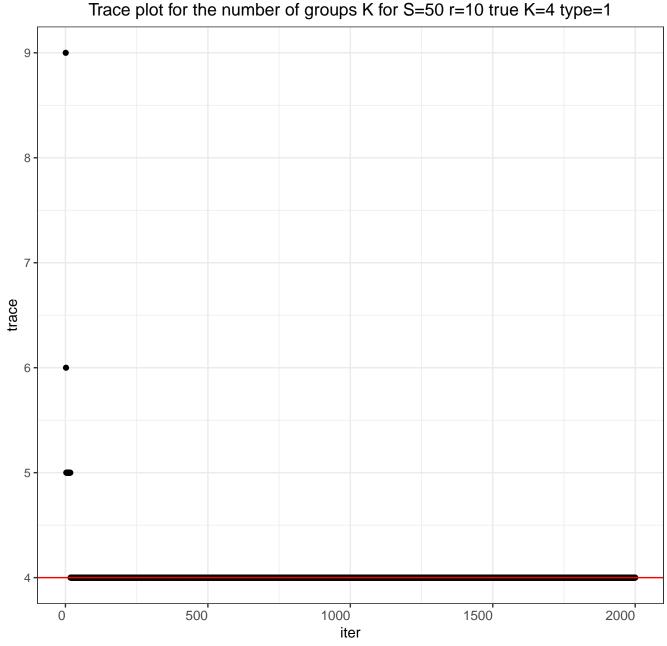




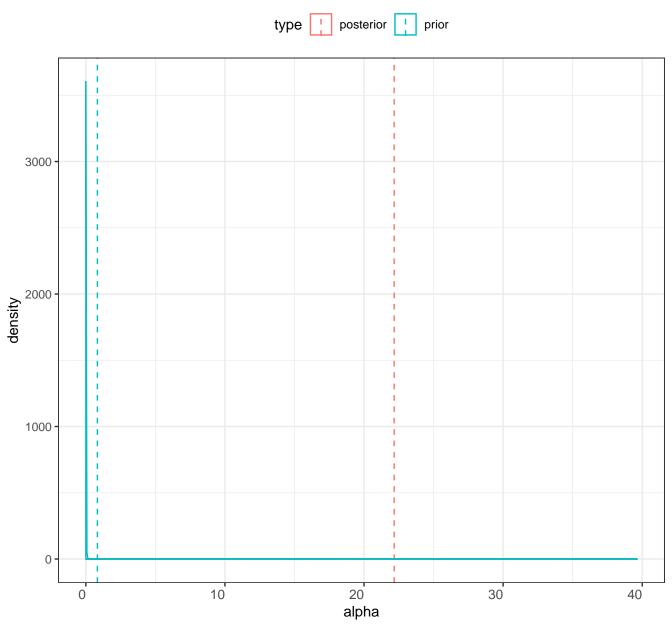
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=1 ,N=150

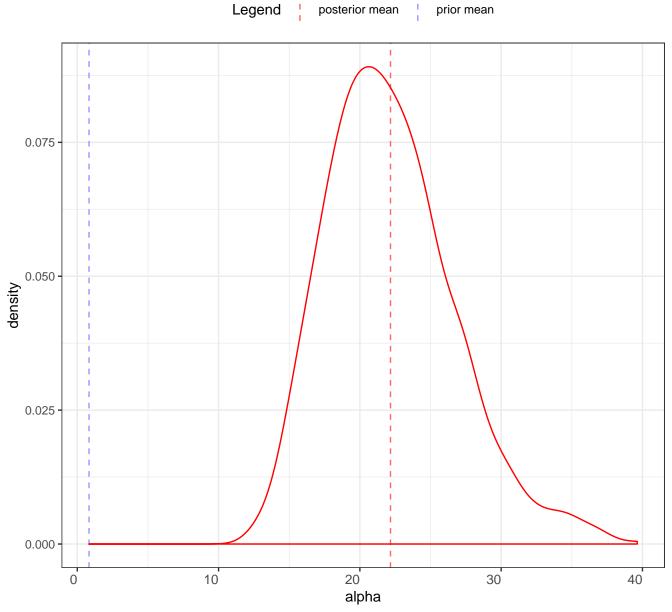
Weights for the case: S=50 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.007 0.15 -0.10 -0.05 0.00 50 100 150 0 tr





## Distribution alpha: S=50 ,r=10 true gr K=4 ,type=1 ,N=150

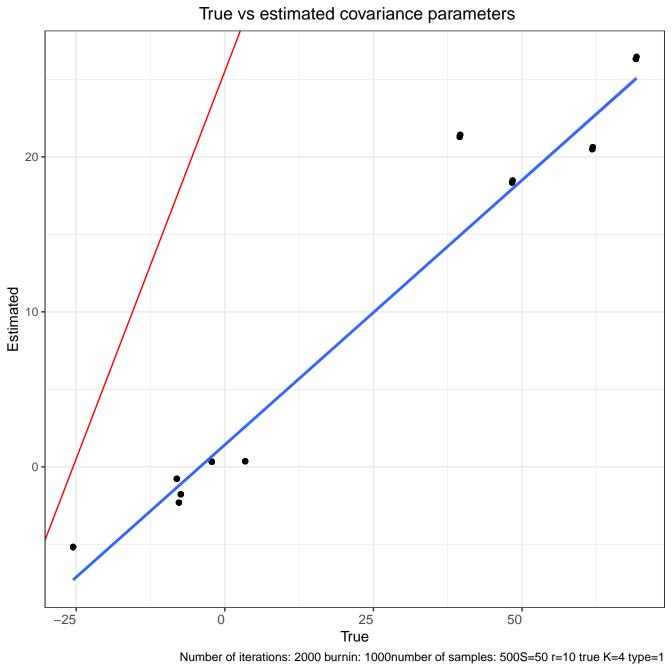




Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=1 ,N=150

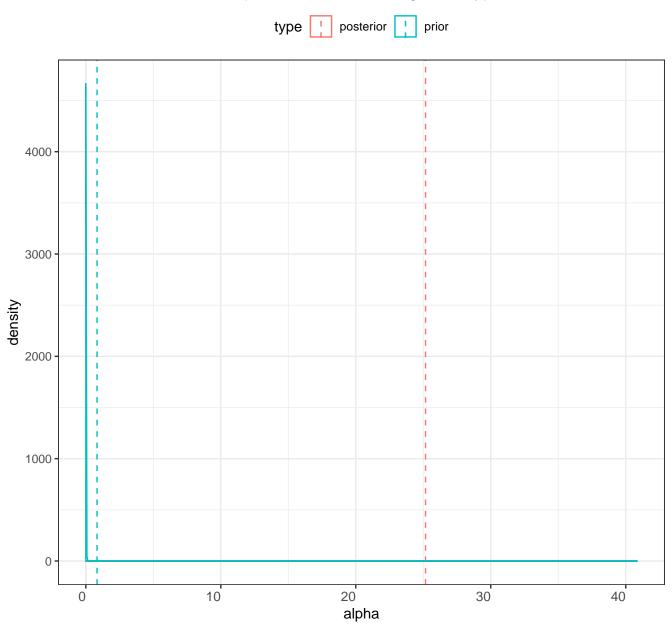
Weights for the case: S=50 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.002 0.15 -0.10 -0.05 -0.00 50 100 150 0 tr

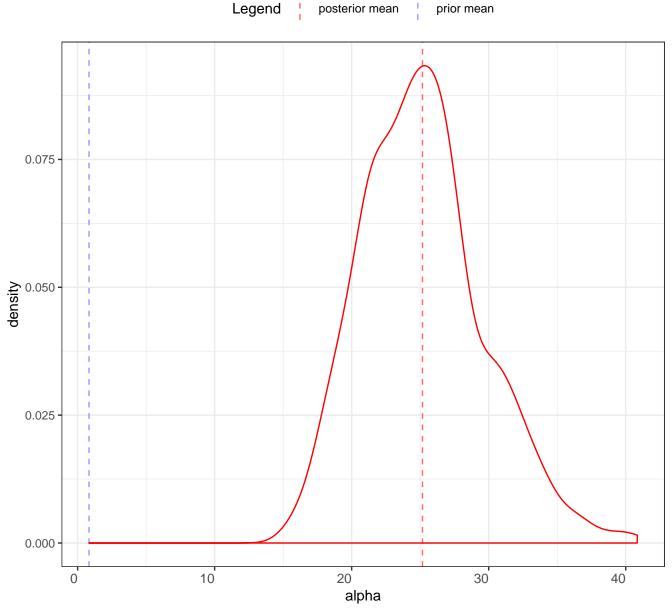
Number of iterations: 2000 burnin: 1000 number of samples: 500



Trace plot for the number of groups K for S=50 r=10 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

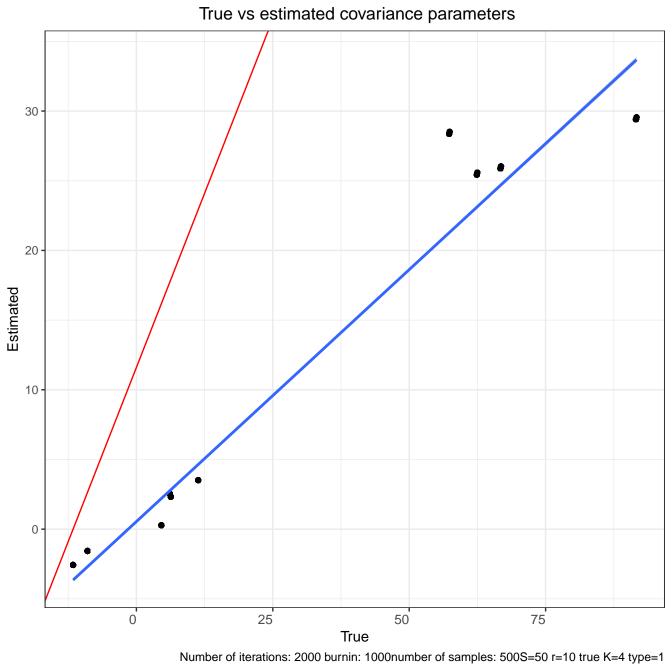
## Distribution alpha: S=50 ,r=10 true gr K=4 ,type=1 ,N=150

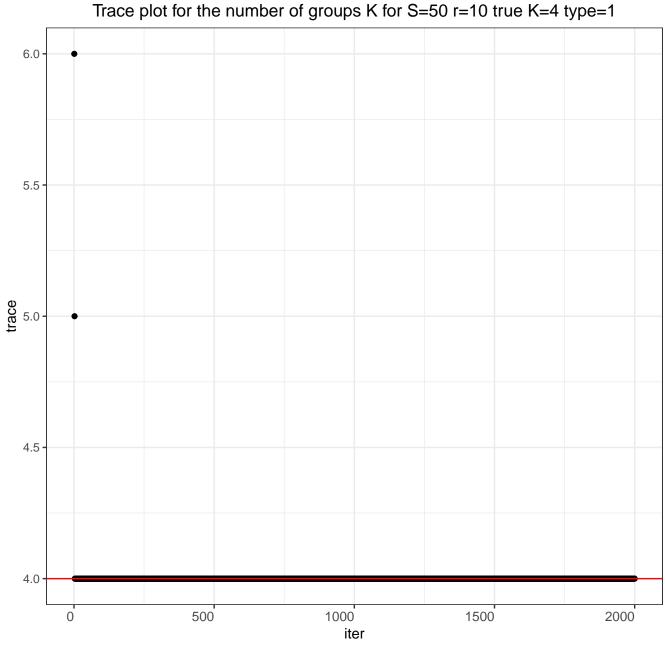




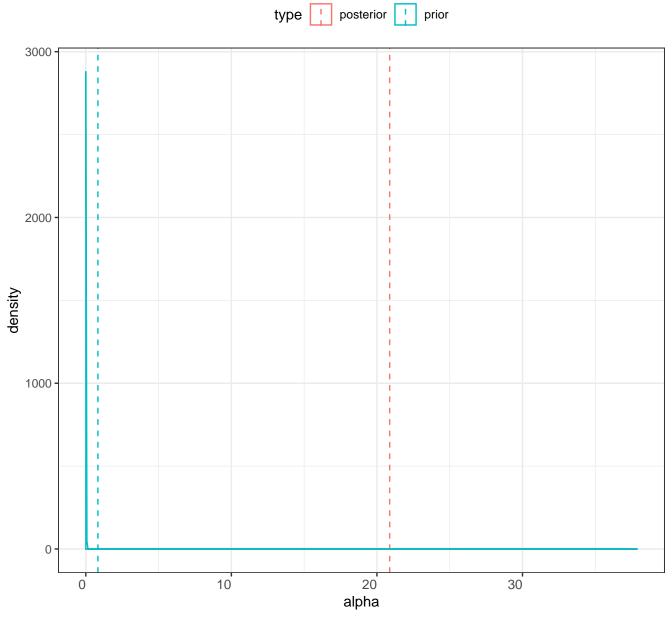
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=1 ,N=150

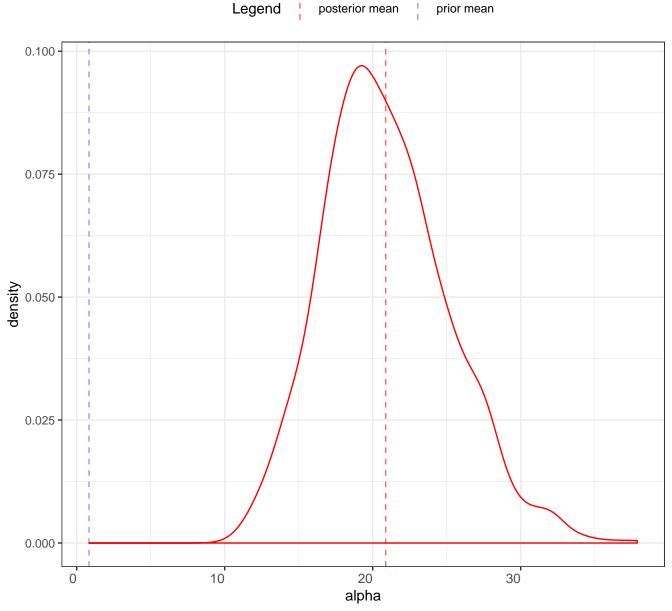
Weights for the case: S=50, r=10 true gr K=4, type=1, N=150 pN=0.004 0.15 -0.10 -0.05 -0.00 -50 100 150 0 tr





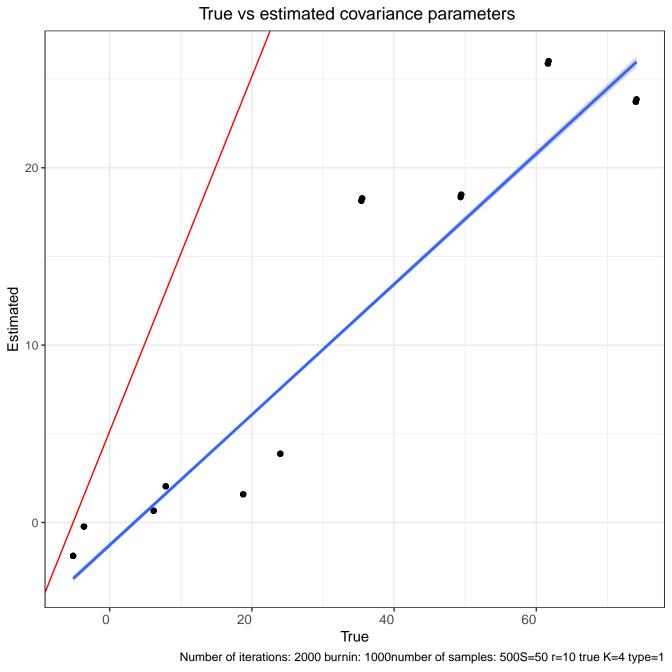
## Distribution alpha: S=50 ,r=10 true gr K=4 ,type=1 ,N=150

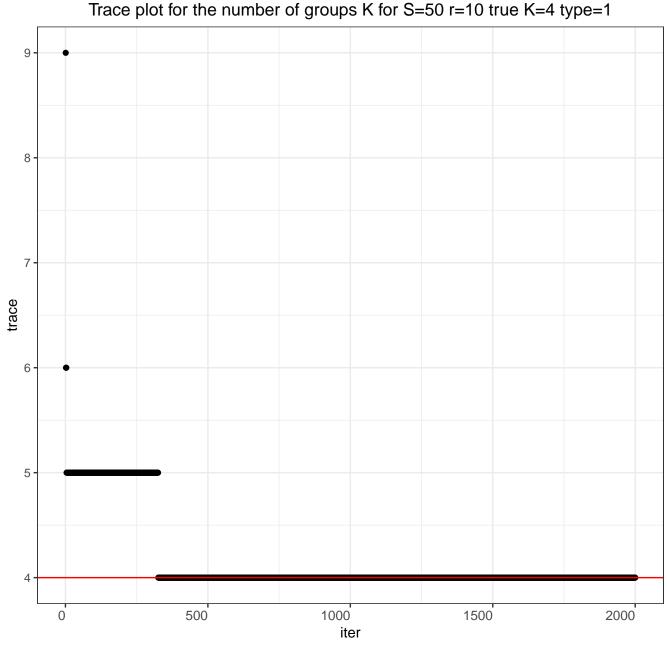


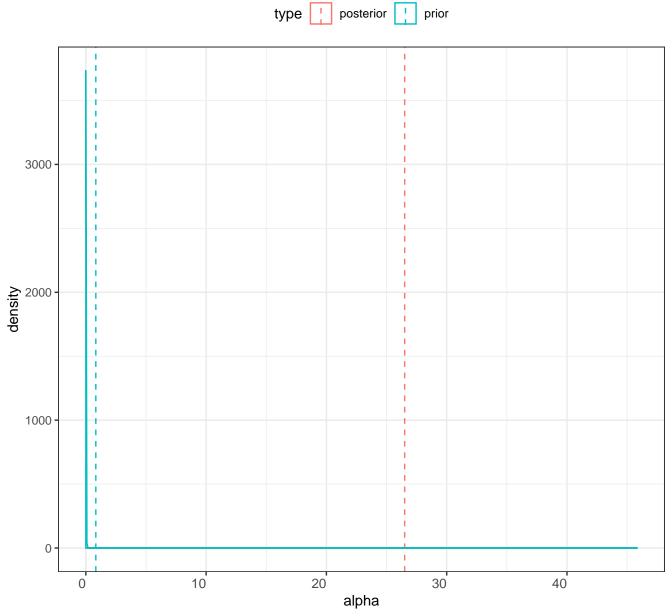


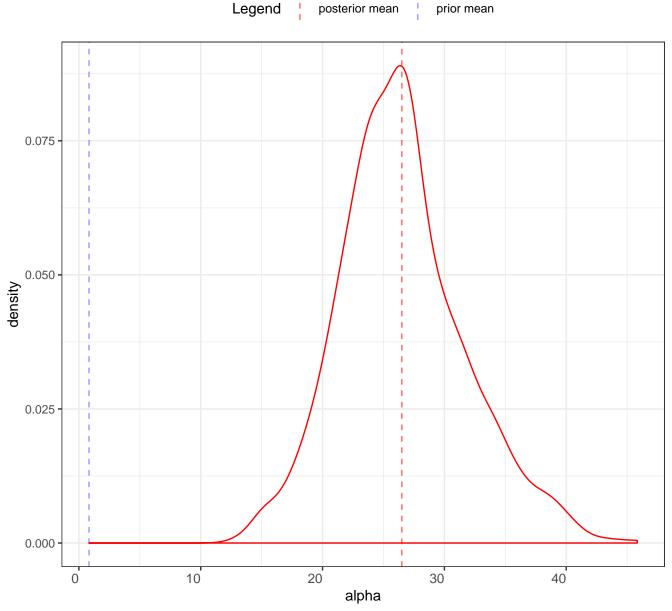
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=1 ,N=150

Weights for the case: S=50, r=10 true gr K=4, type=1, N=150 pN=0.001 0.20 0.15 -0.10 -0.05 -0.00 50 100 150 0 tr

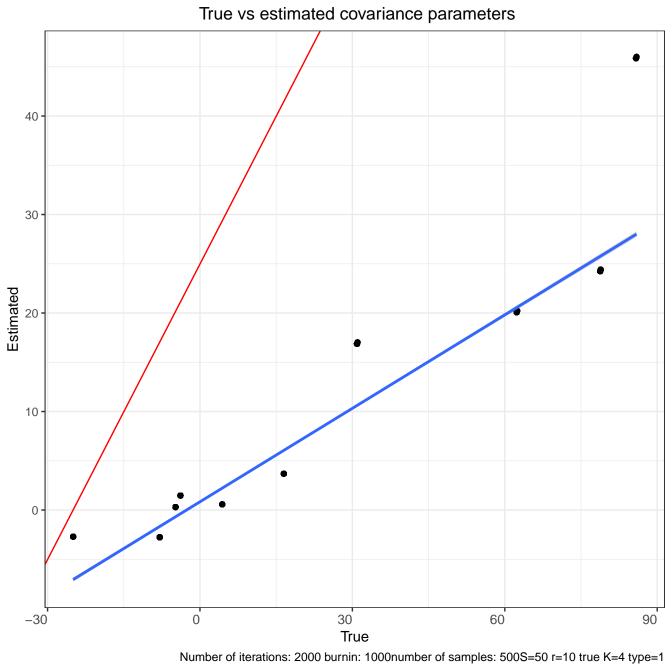




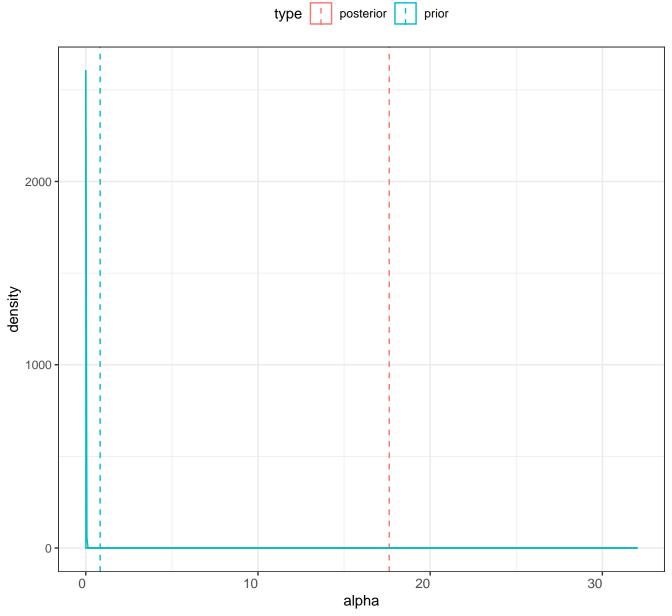


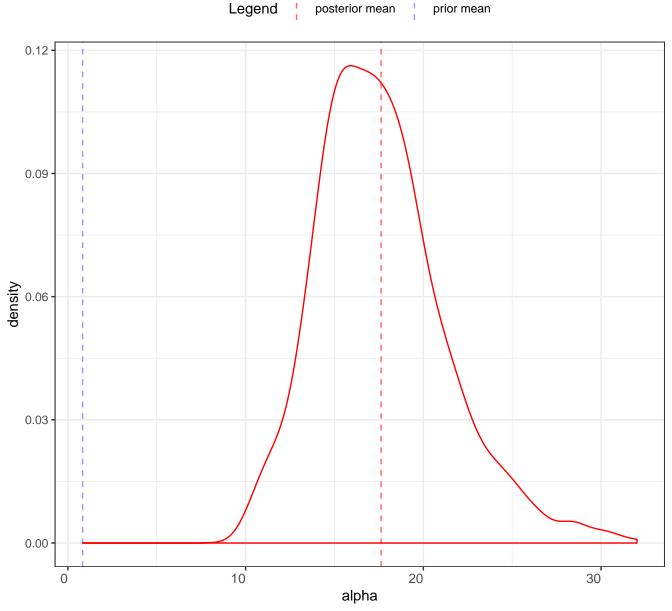


Weights for the case: S=50 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.005 0.20 -0.15 -0.10 -0.05 -0.00 50 100 150 0 tr Number of iterations: 2000 burnin: 1000 number of samples: 500

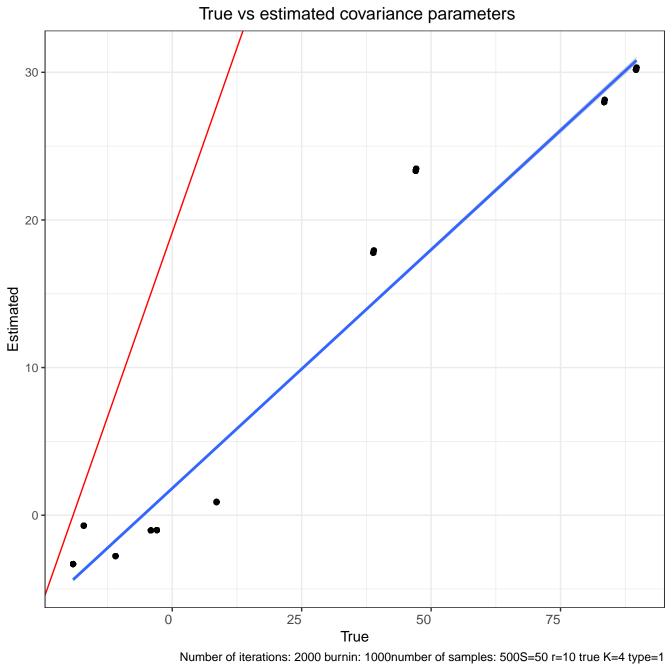


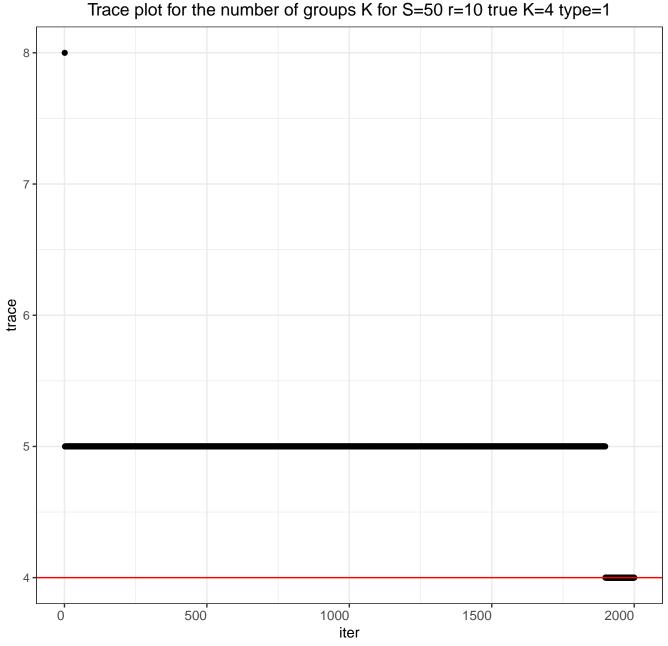
Trace plot for the number of groups K for S=50 r=10 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

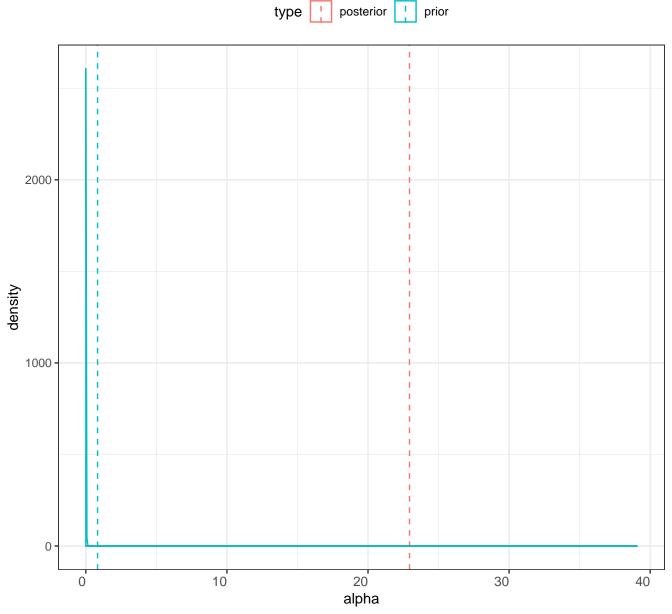


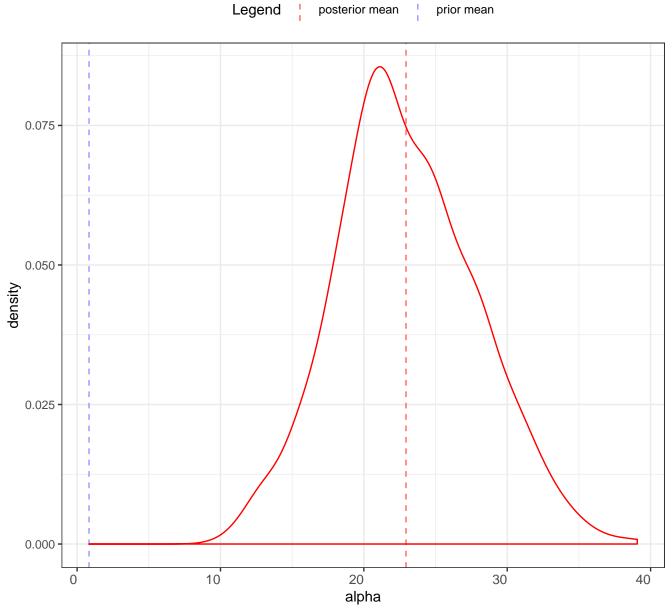


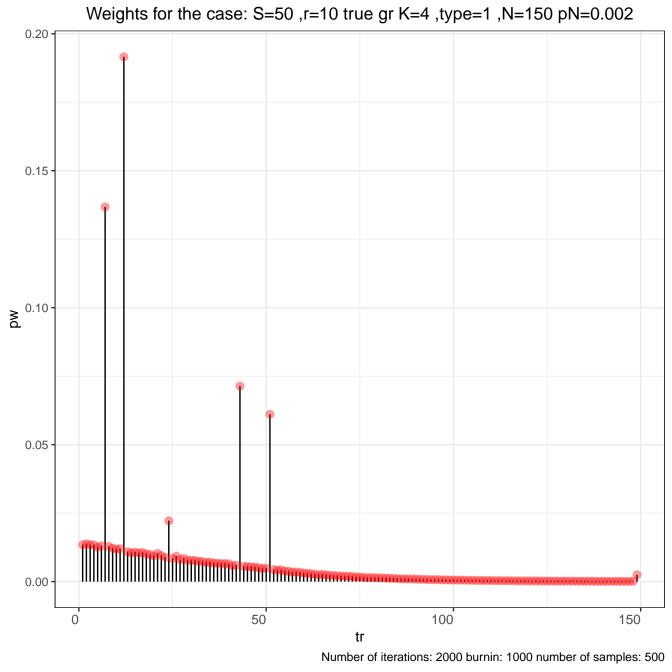
Weights for the case: S=50 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0 0.15 -0.10 -0.05 0.00 50 100 150 0 tr

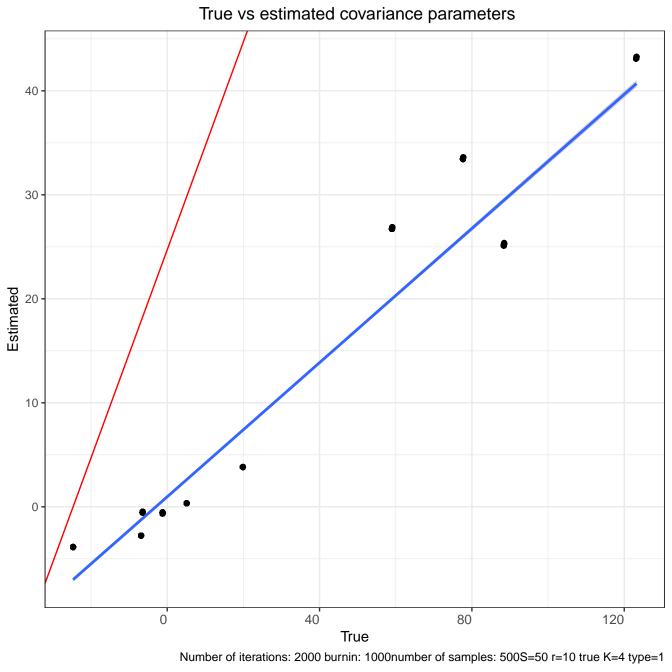


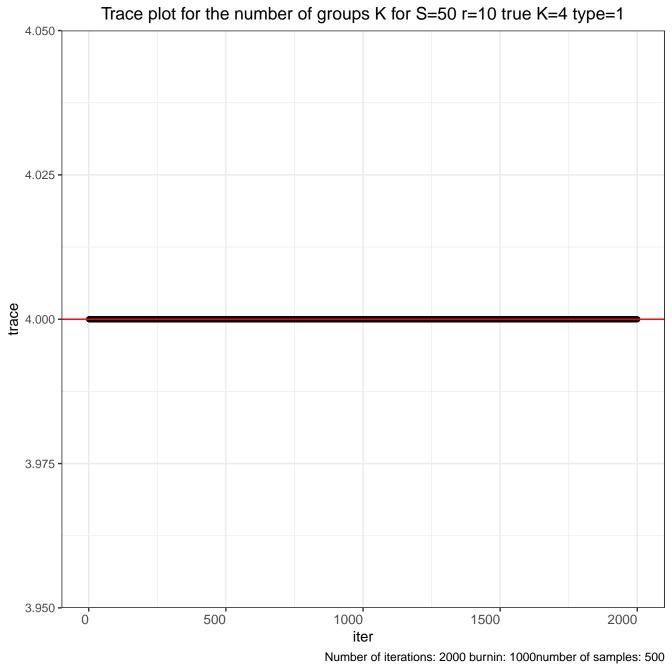


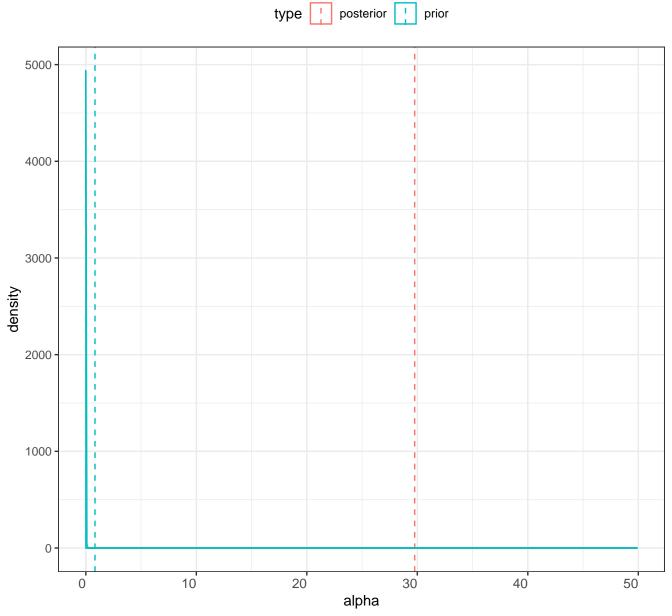


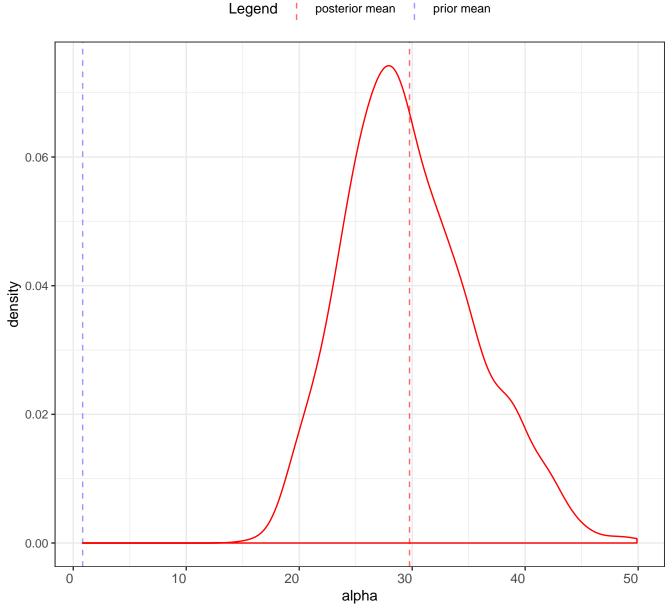




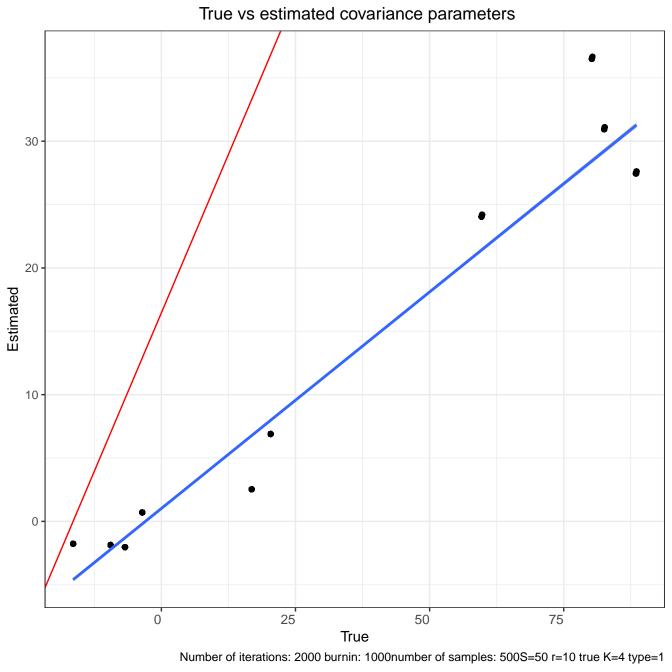


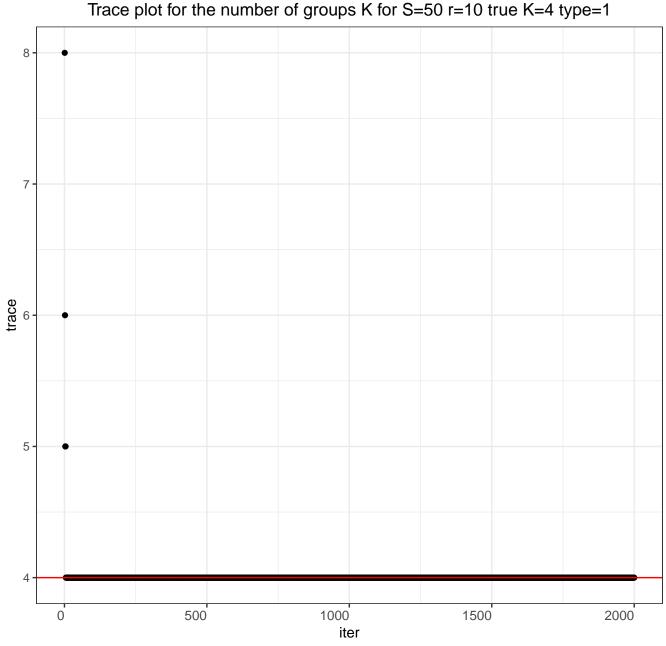


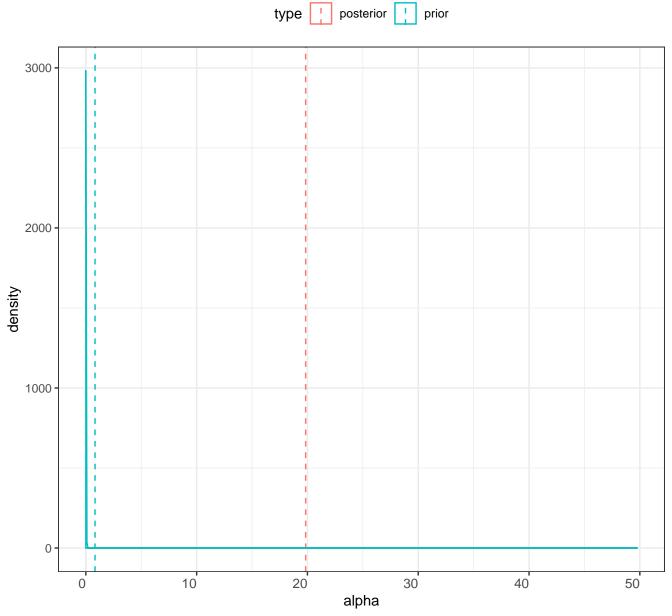


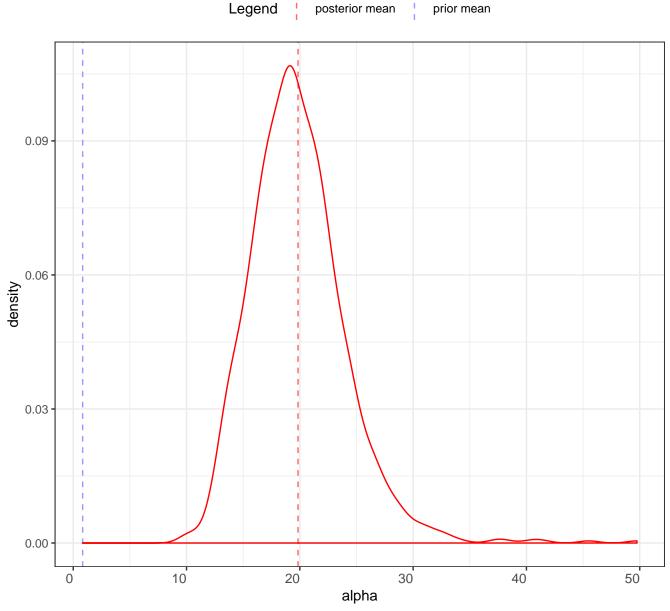


Weights for the case: S=50, r=10 true gr K=4, type=1, N=150 pN=0.009 0.20 0.15 -≥ 0.10 0.05 -0.00 50 100 150 0 tr

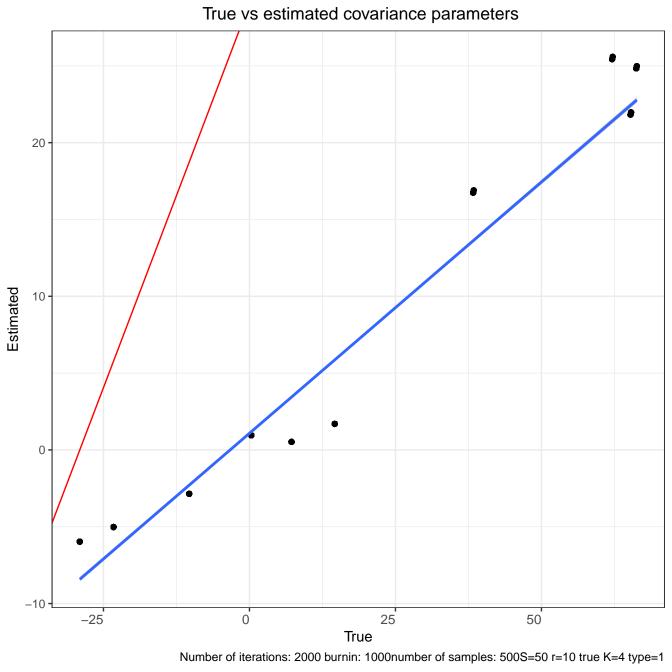


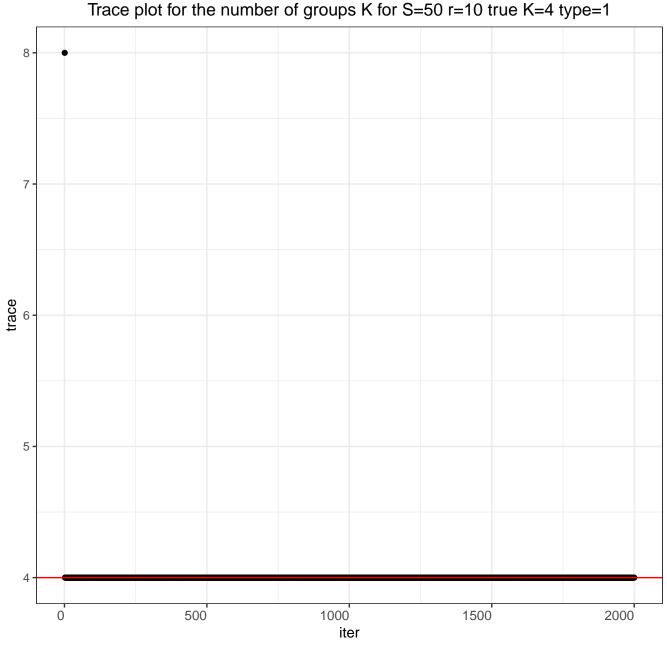


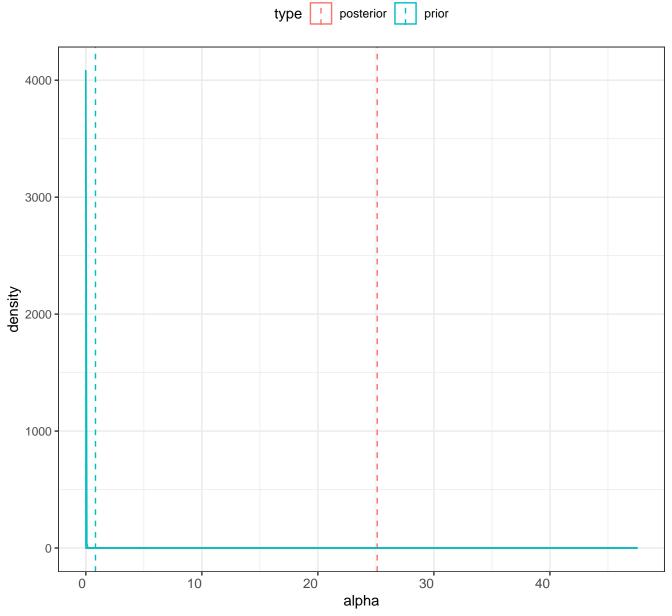


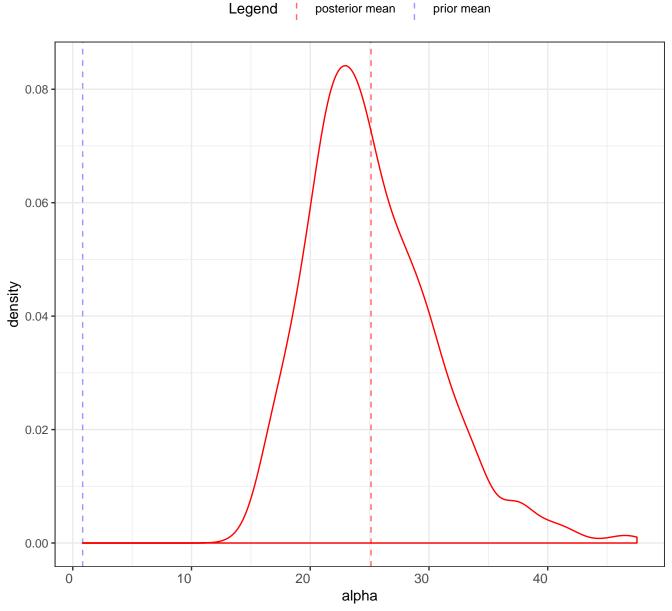


Weights for the case: S=50 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.001 0.20 0.15 -0.05 0.00 50 100 150 0 tr

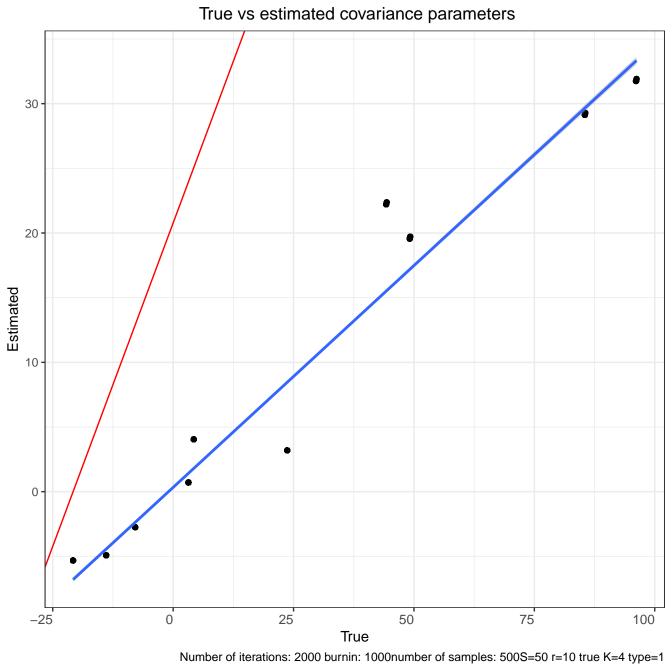




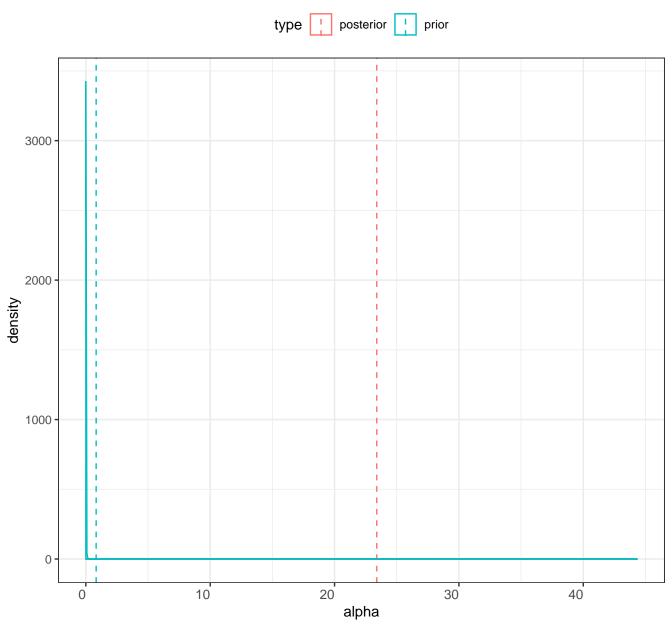


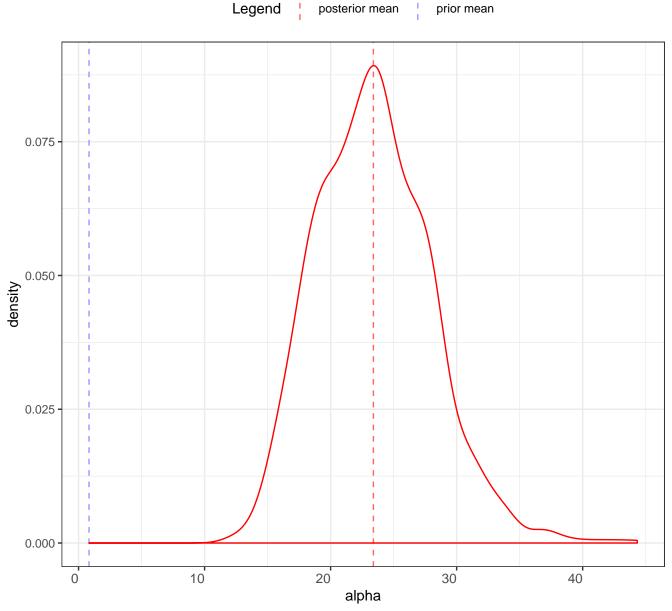


Weights for the case: S=50 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.004 0.15 -0.10 -0.05 0.00 50 100 150 0 tr

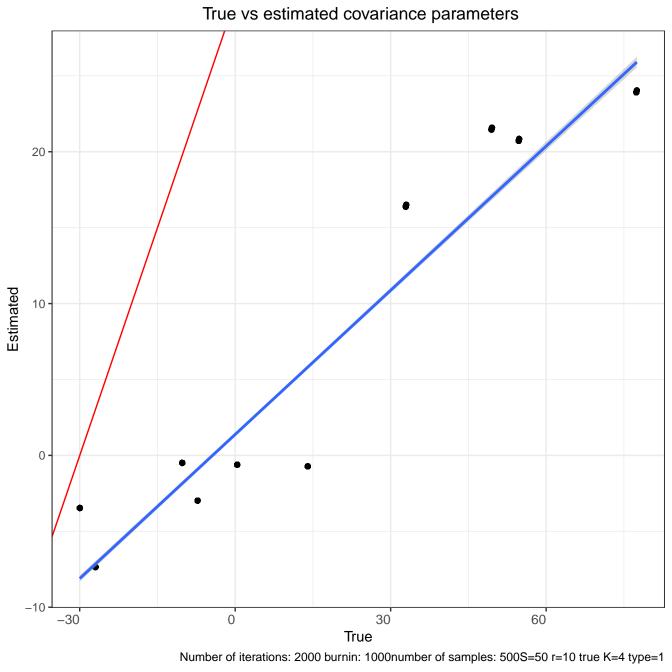


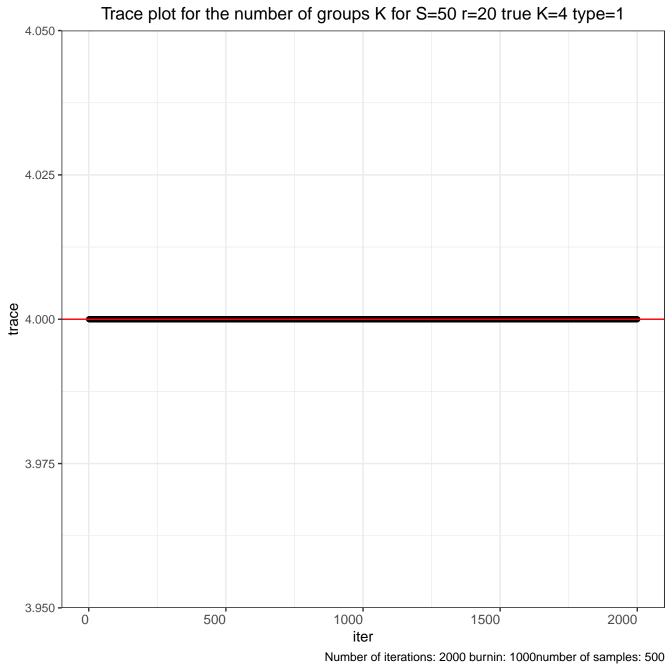
Trace plot for the number of groups K for S=50 r=10 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

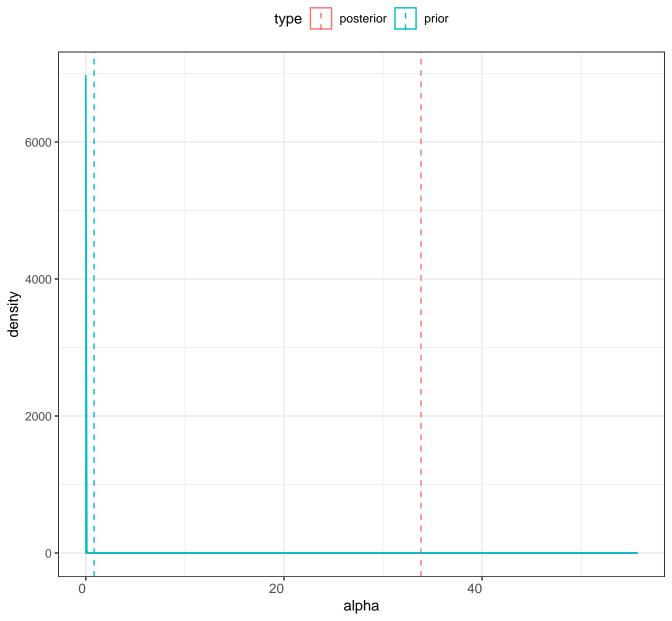


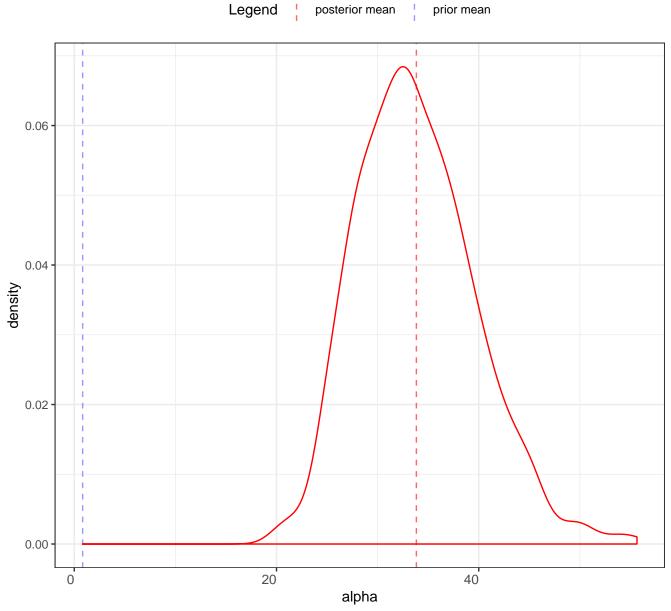


Weights for the case: S=50 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.002 0.15 -0.10 0.05 0.00 50 100 150 0 tr

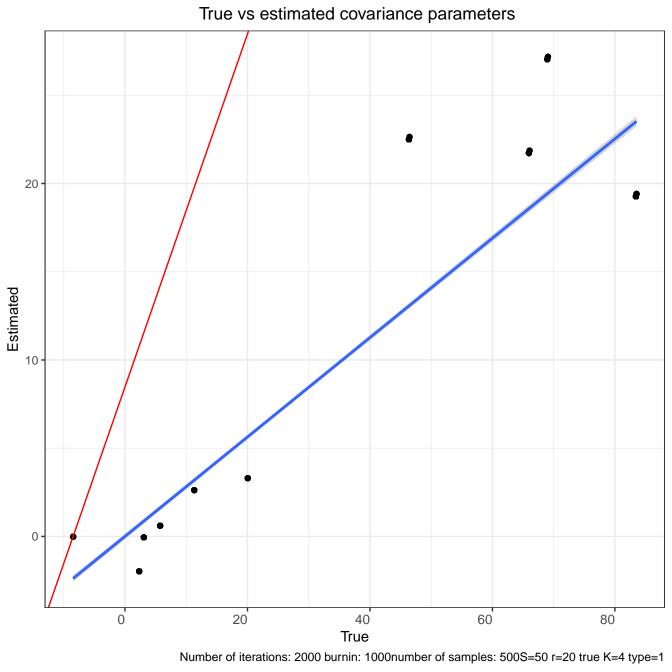




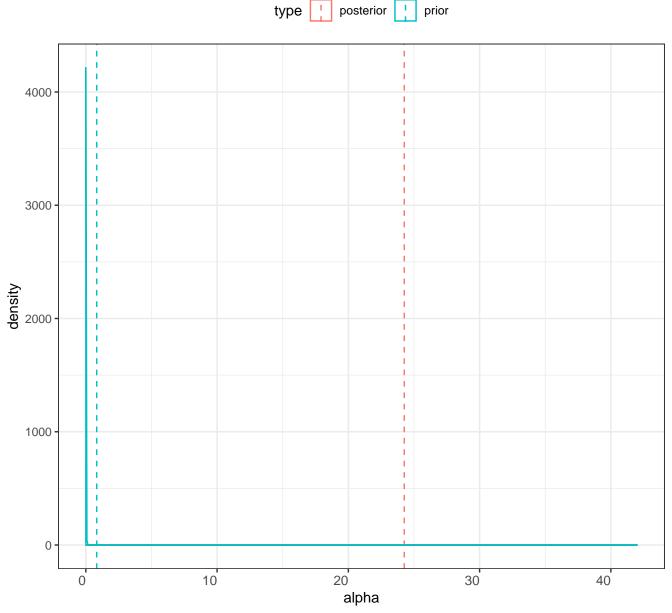


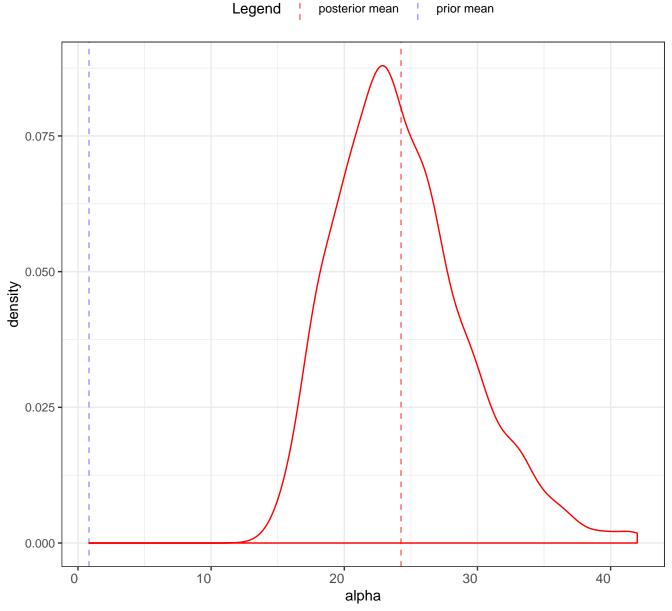


Weights for the case: S=50 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.015 0.10 -0.05 -0.00 50 100 150 0 tr

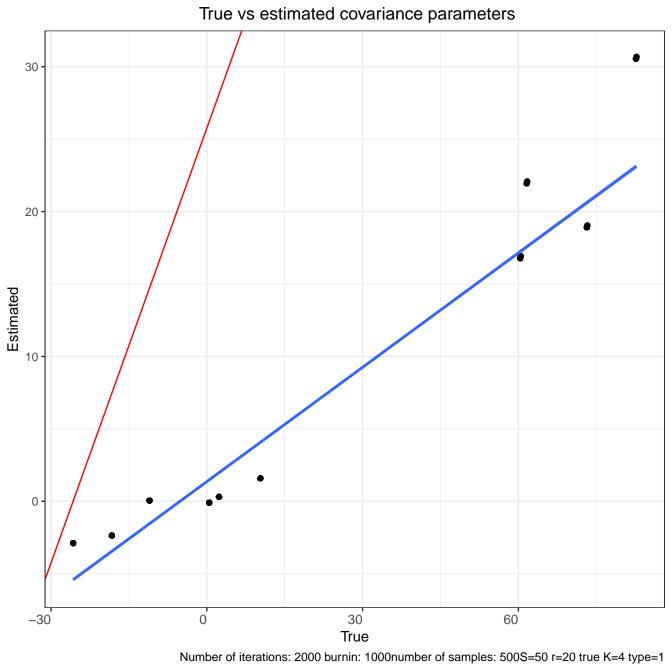


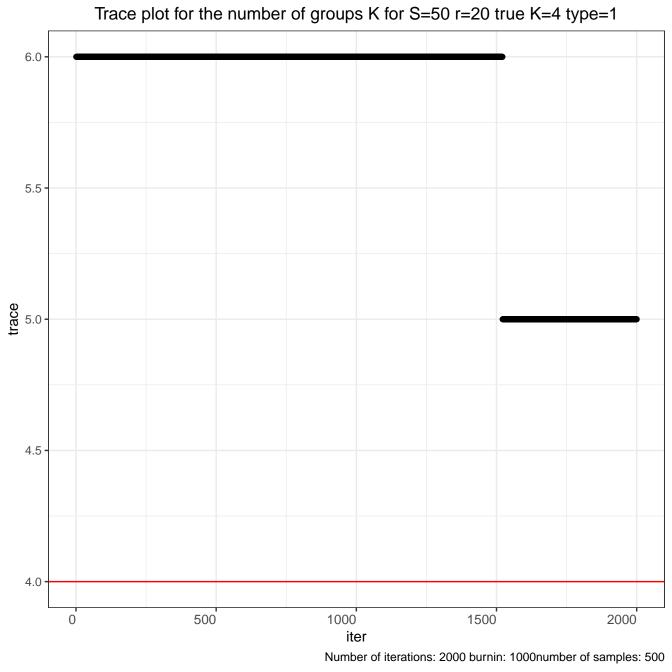
Trace plot for the number of groups K for S=50 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

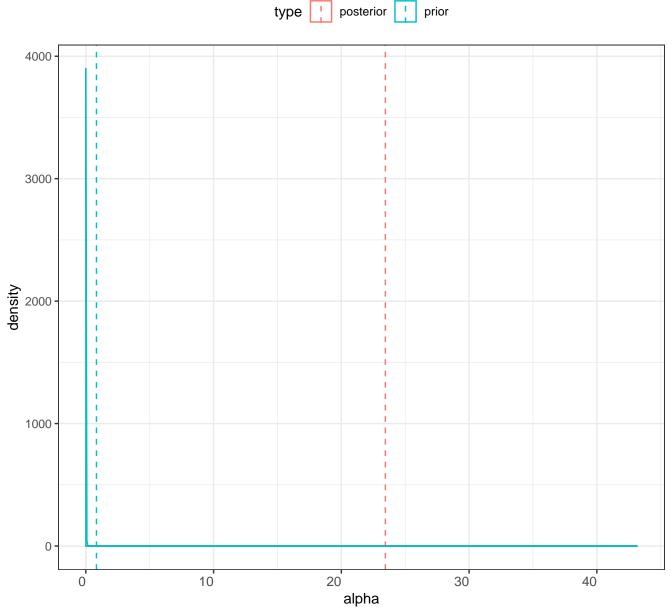


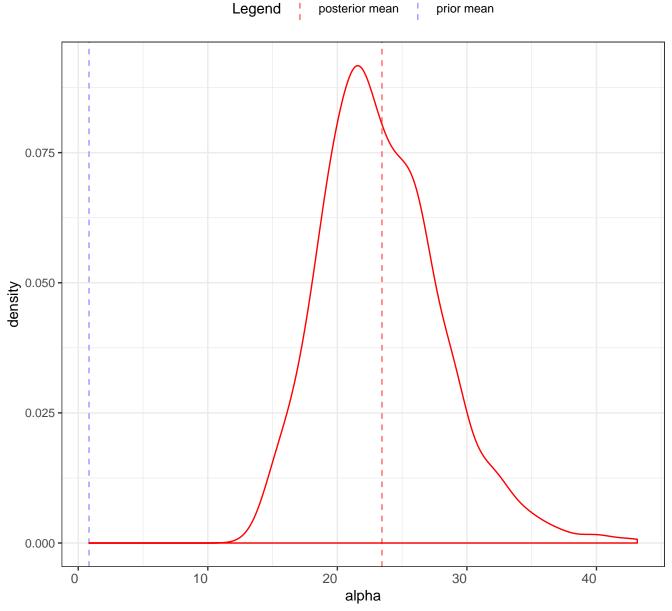


Weights for the case: S=50 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.003 0.12 -0.09 0.03 0.00 50 100 150 0 tr

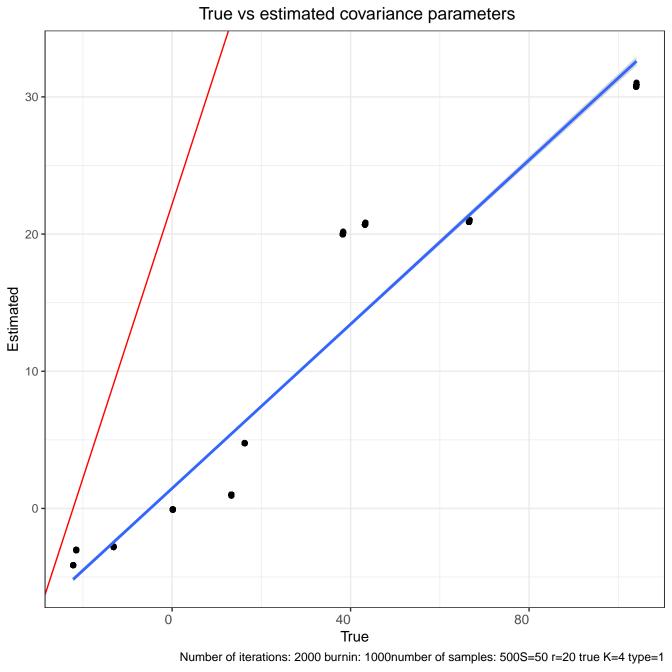


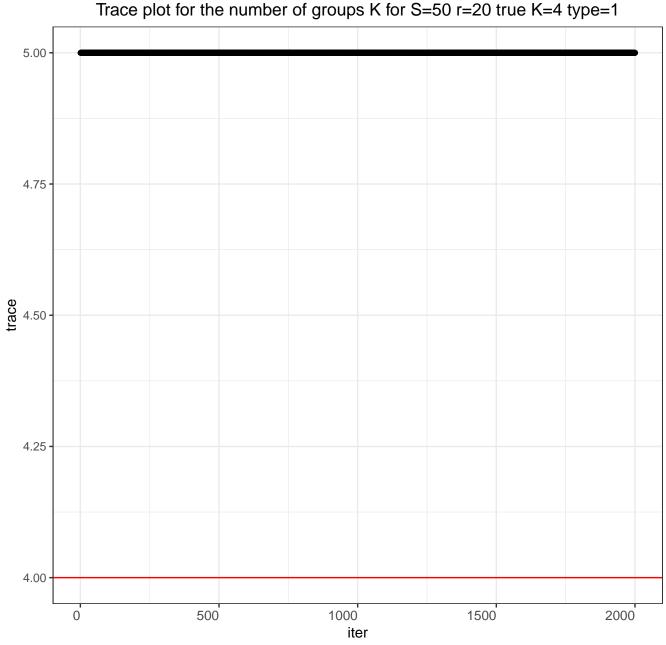


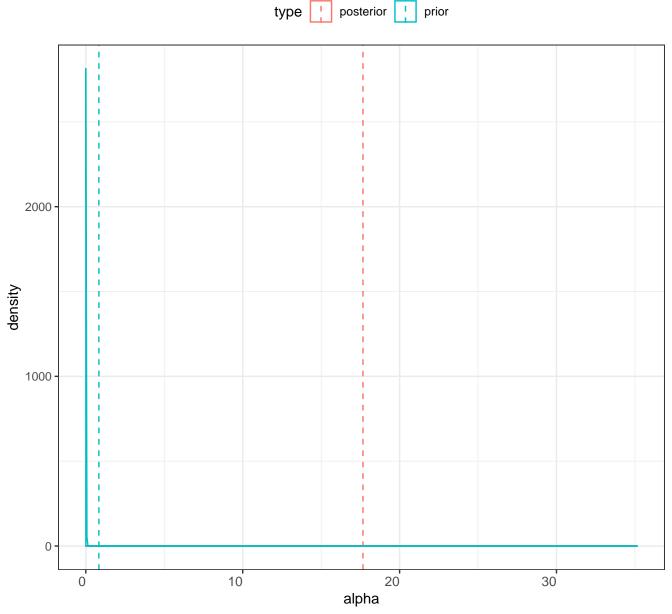


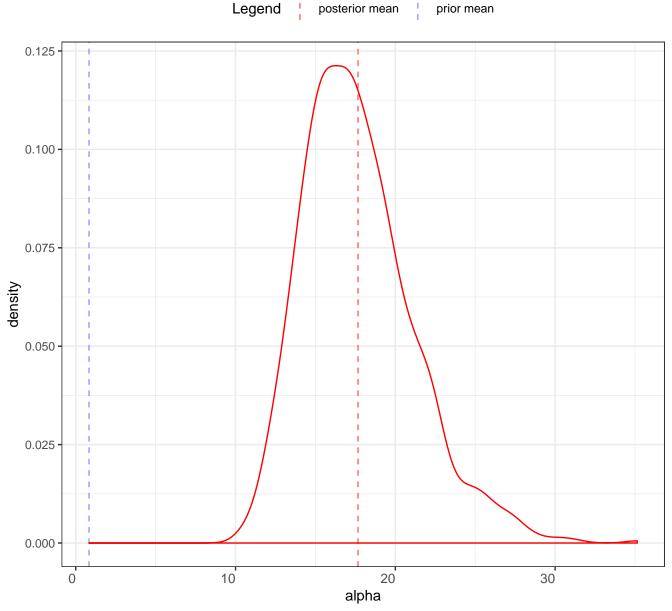


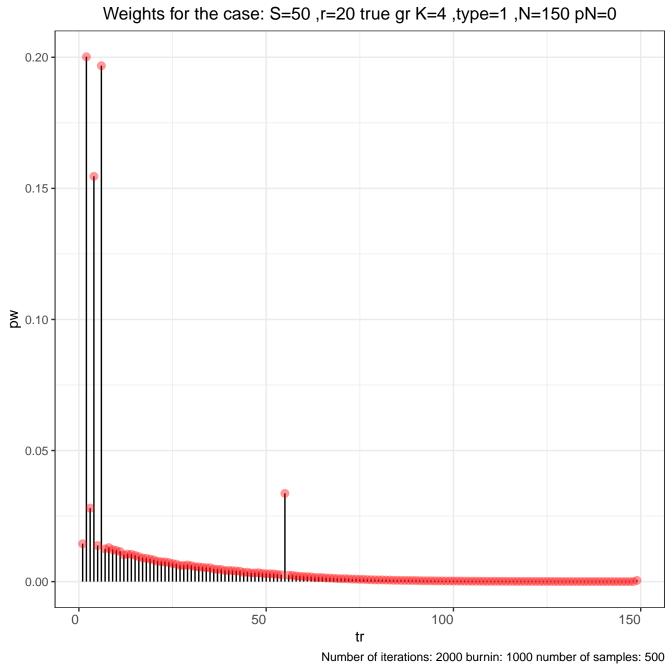
Weights for the case: S=50 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.003 0.15 -0.10 0.05 -0.00 50 100 150 0 tr

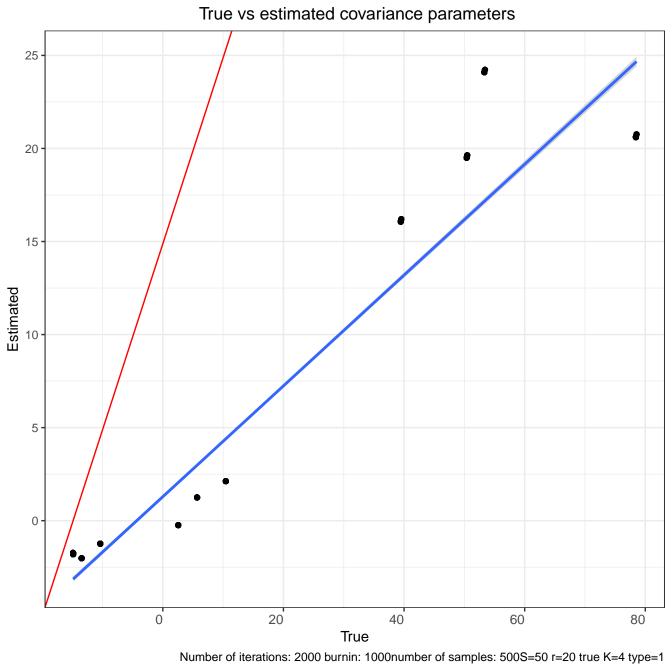




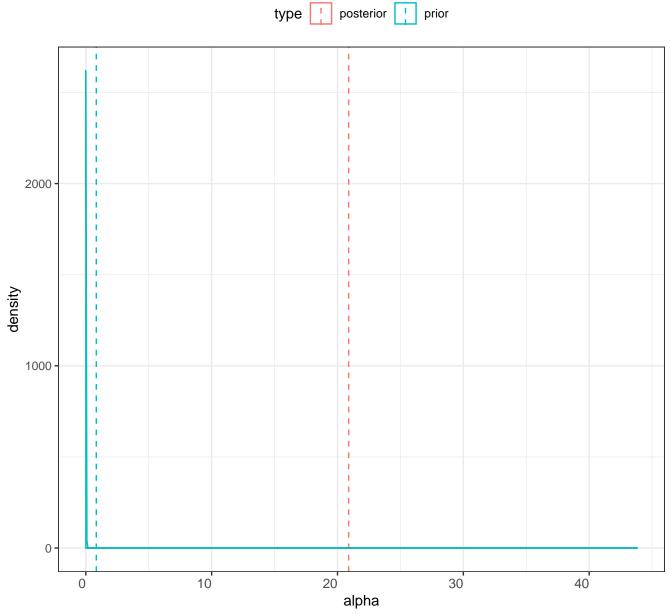


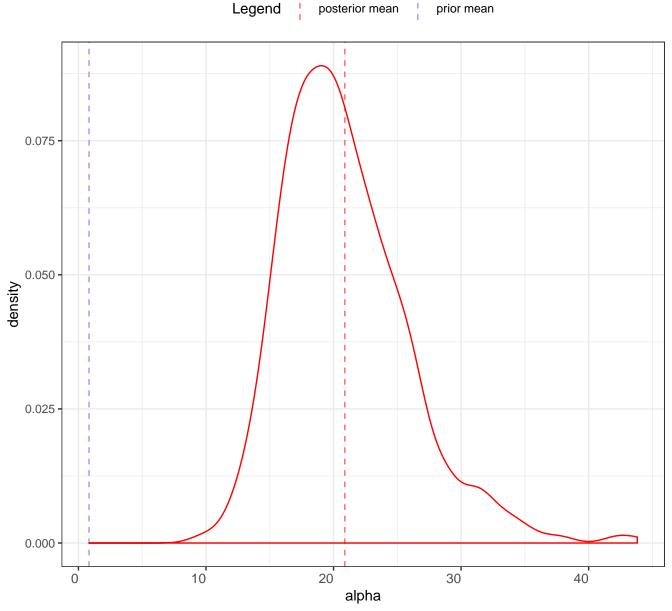




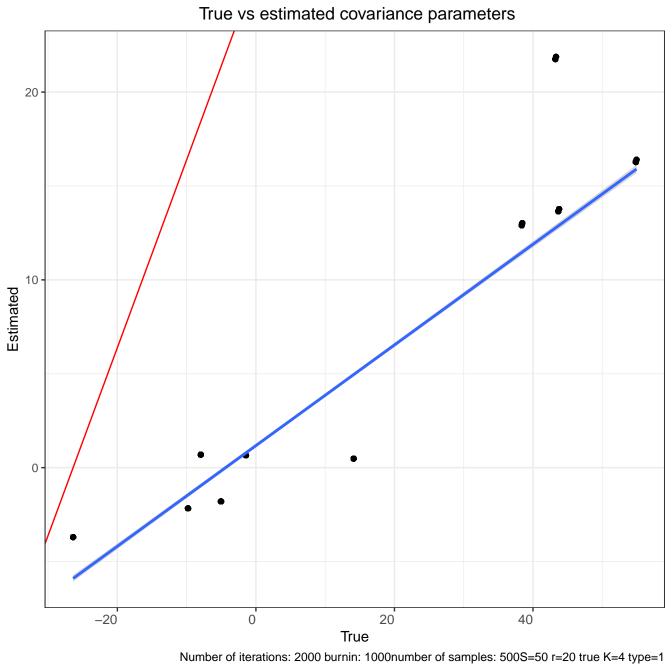


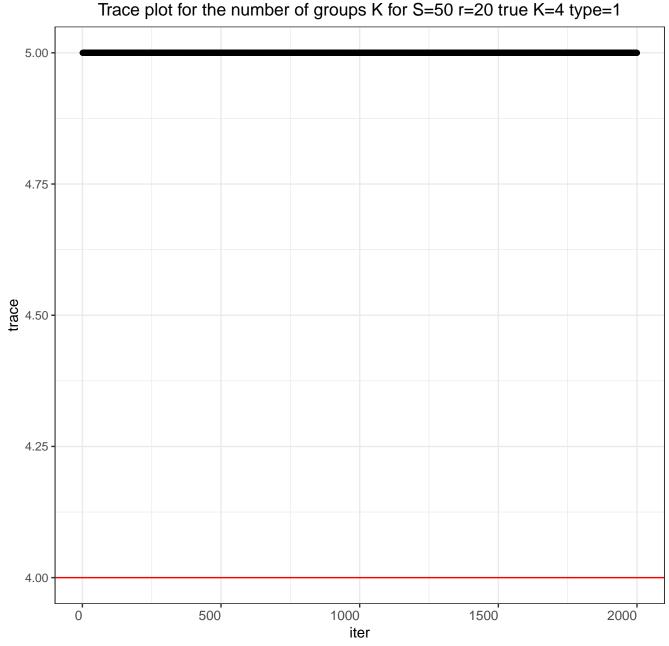
Trace plot for the number of groups K for S=50 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

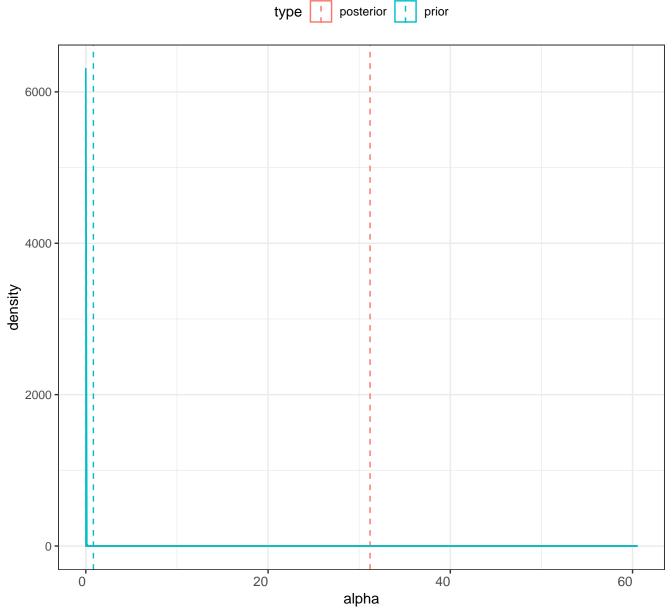


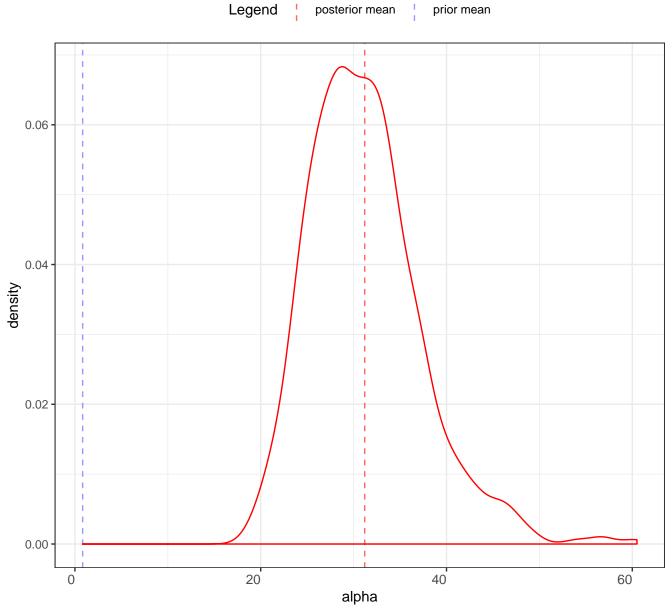


Weights for the case: S=50 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.002 0.20 -0.15 -0.05 0.00 50 100 150 0 tr

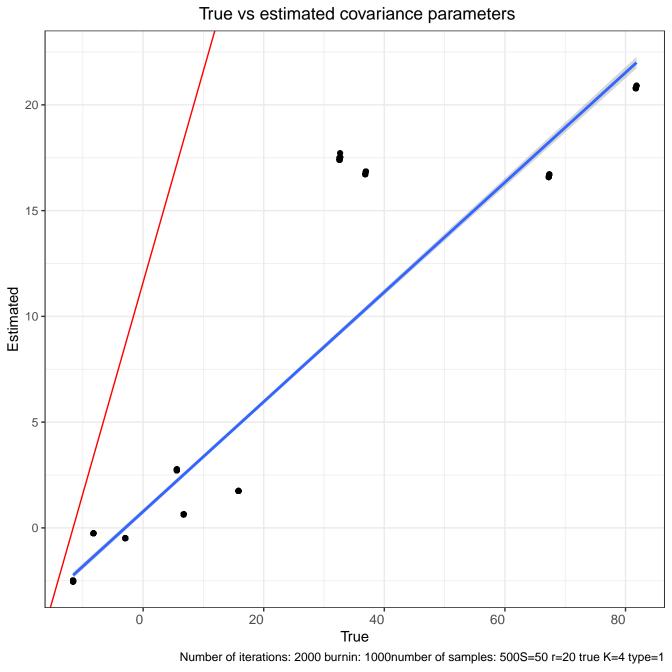




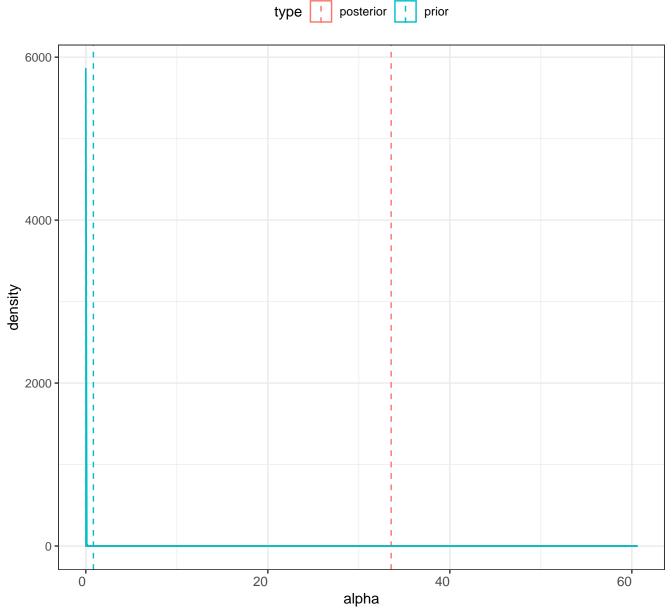


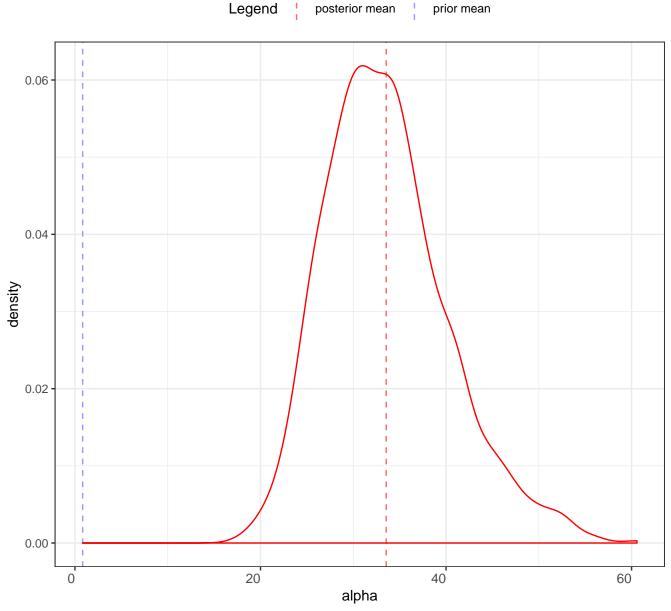


Weights for the case: S=50 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.011 0.10 0.05 0.00 50 100 150 0 tr

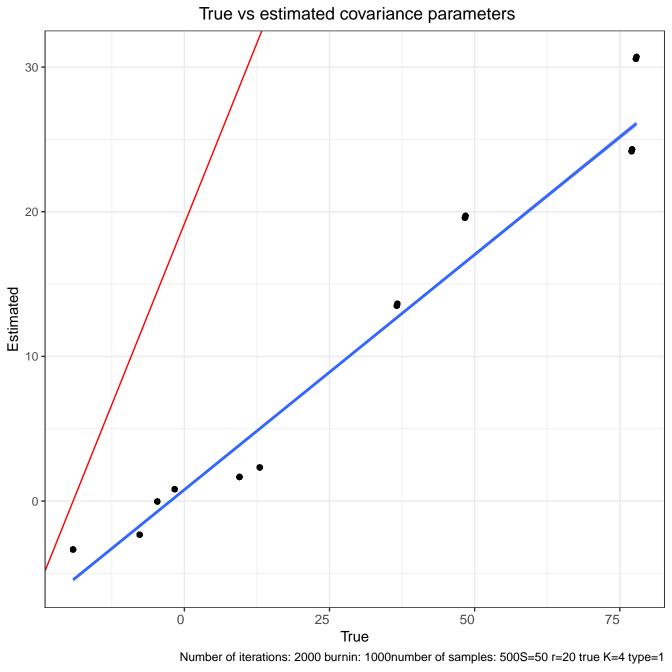


Trace plot for the number of groups K for S=50 r=20 true K=4 type=1 6 trace 5 500 1000 1500 2000 iter

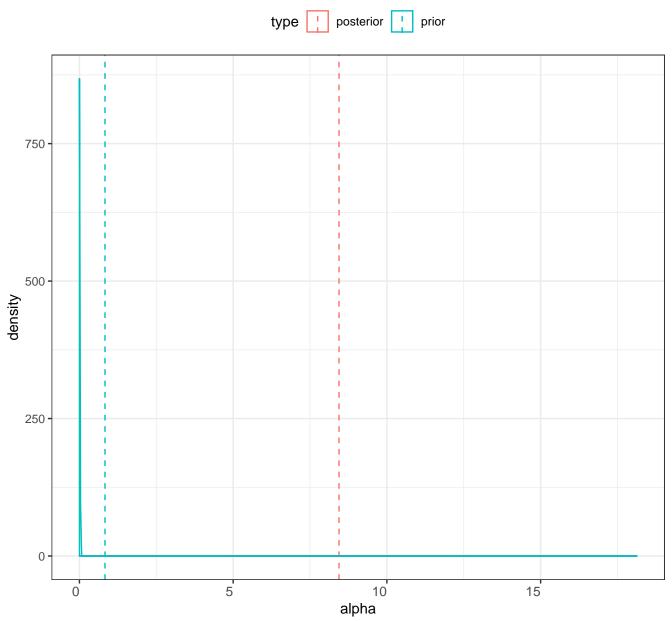


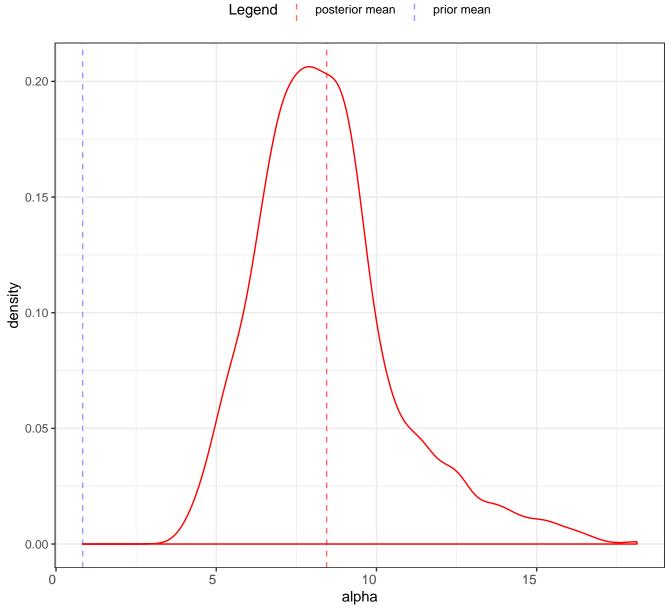


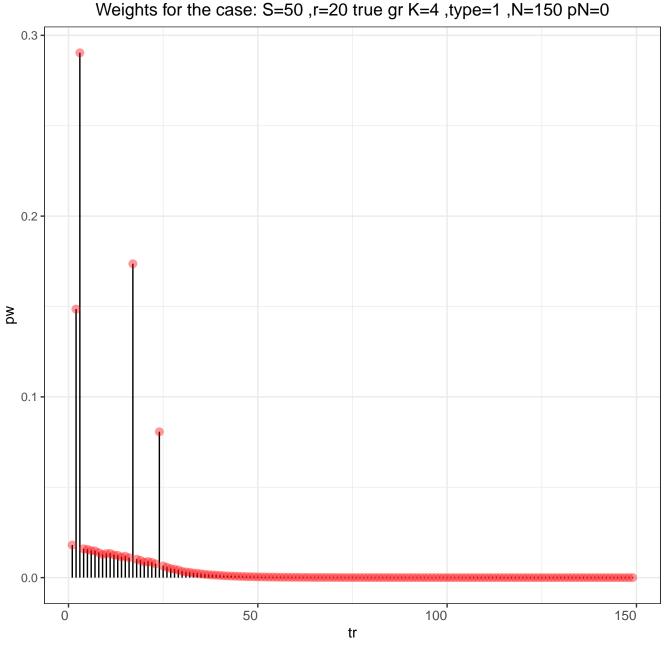
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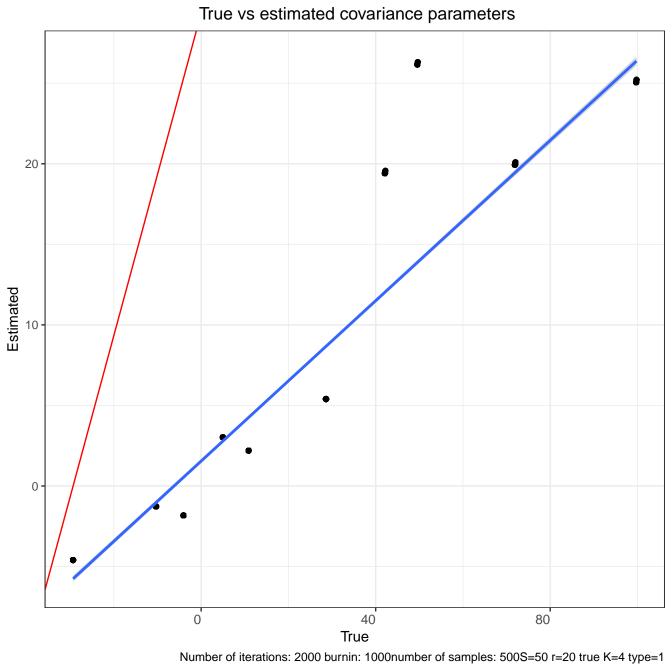


Trace plot for the number of groups K for S=50 r=20 true K=4 type=1 6 trace 5 500 1000 1500 2000 iter



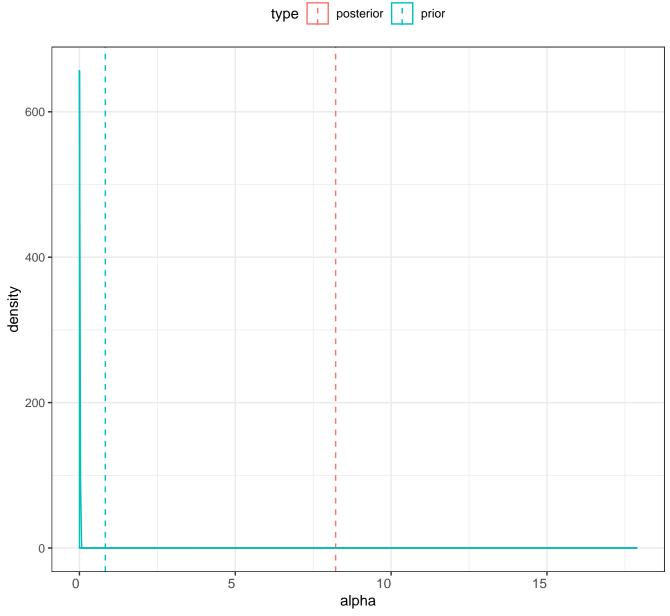


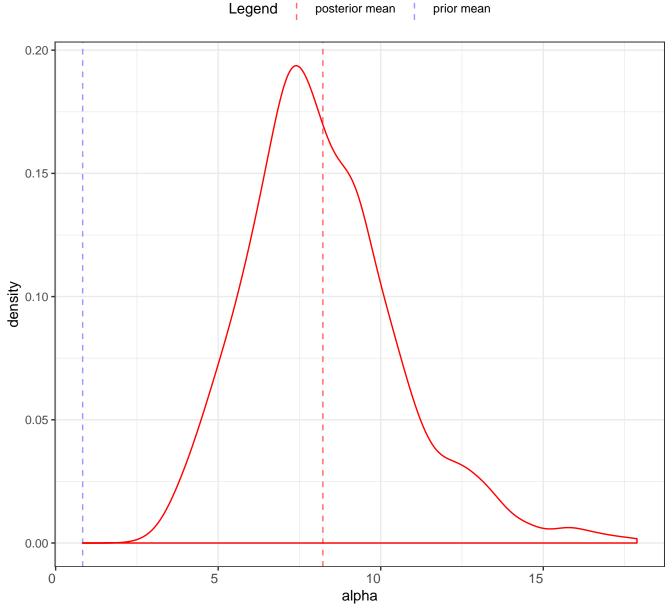




Trace plot for the number of groups K for S=50 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

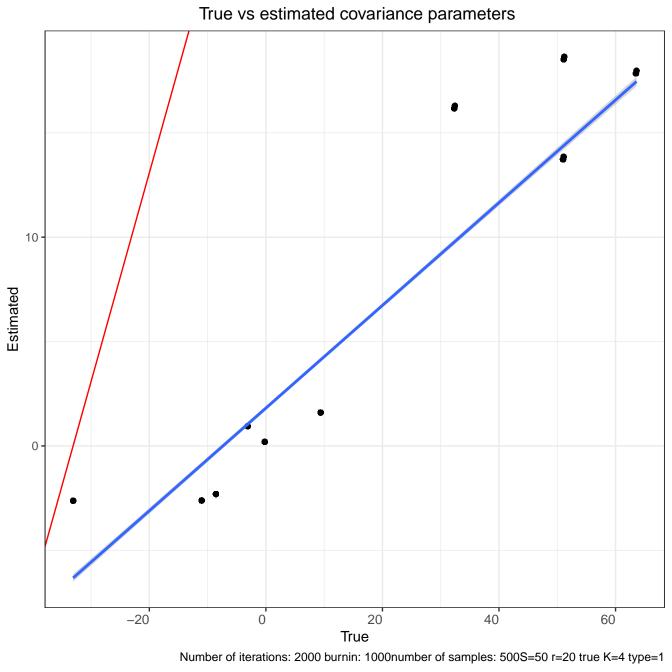
Distribution alpha: S=50 ,r=20 true gr K=4 ,type=1 ,N=150





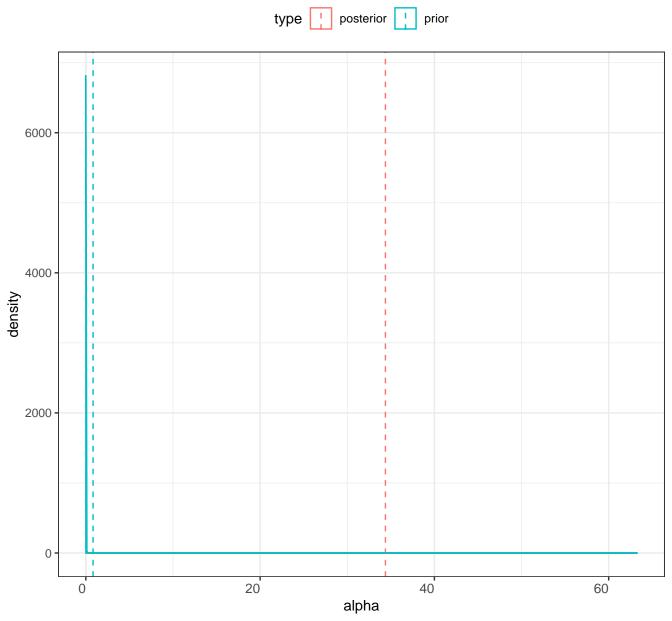
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=1 ,N=150

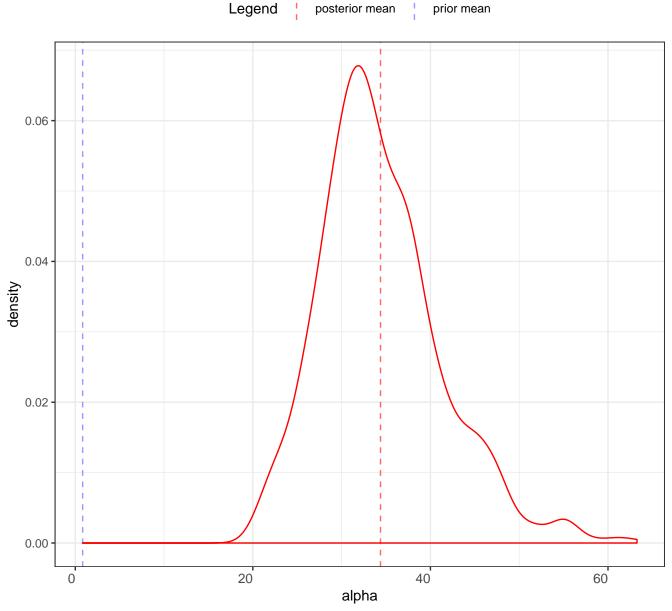
Weights for the case: S=50 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0 0.20 0.15 -0.10 0.05 -0.00 50 100 150 0 tr



Trace plot for the number of groups K for S=50 r=20 true K=4 type=1 6 trace 5 500 1000 1500 2000 iter

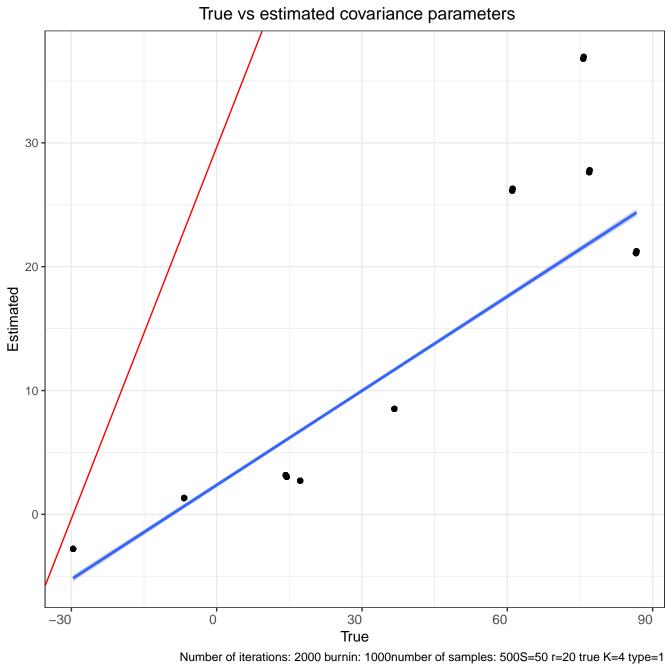
Distribution alpha: S=50 ,r=20 true gr K=4 ,type=1 ,N=150





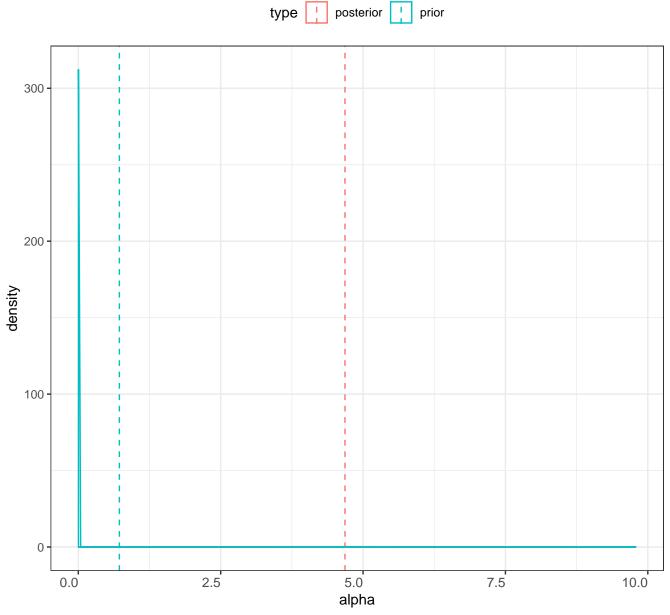
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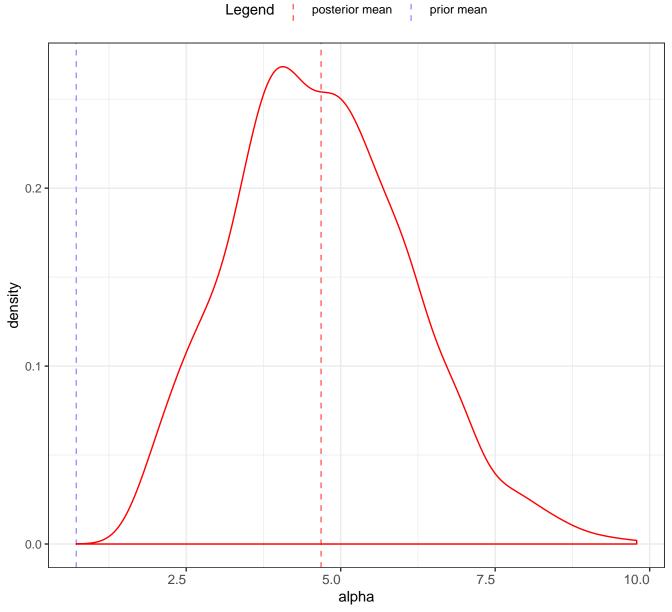
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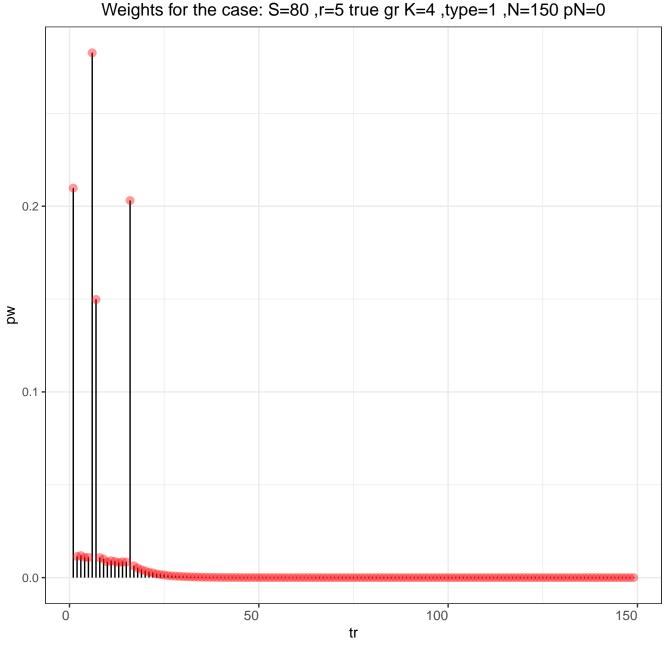
Trace plot for the number of groups K for S=80 r=5 true K=4 type=1 10 8 trace 6 -1000 2000 500 1500 iter

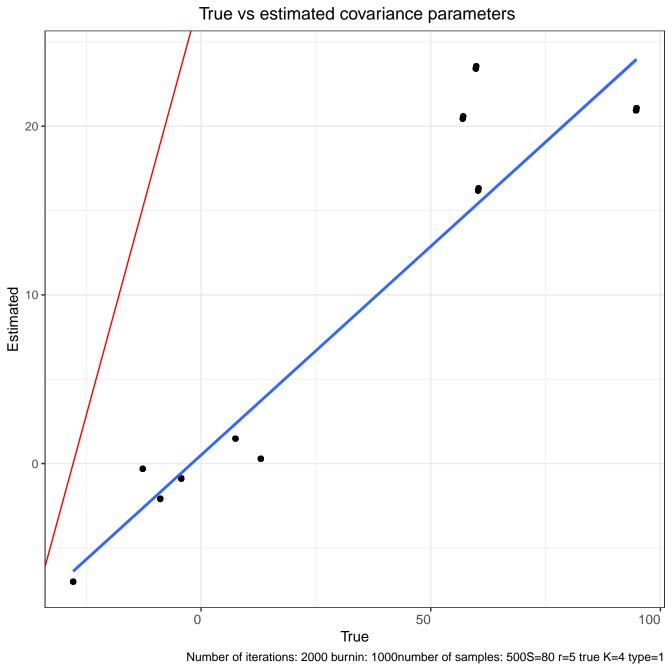
#### Distribution alpha: S=80 ,r=5 true gr K=4 ,type=1 ,N=150





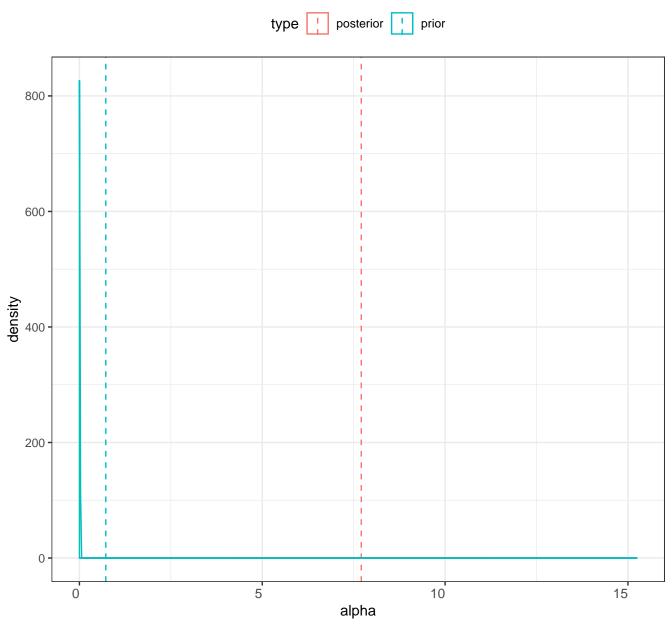
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=1 ,N=150

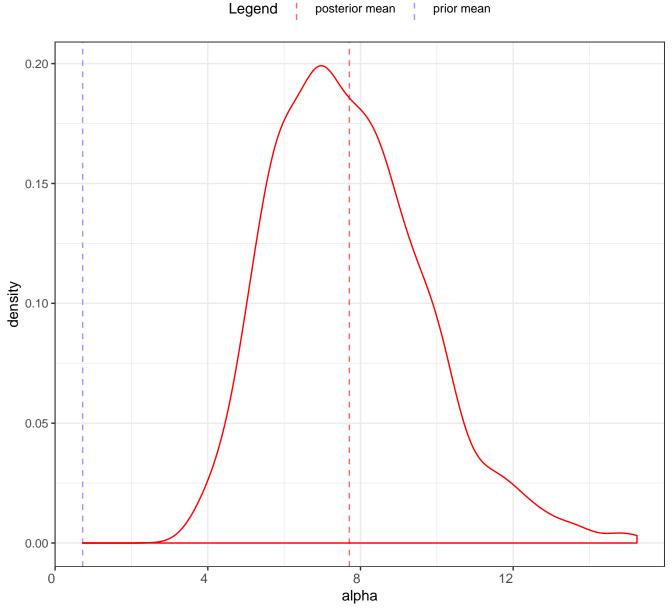




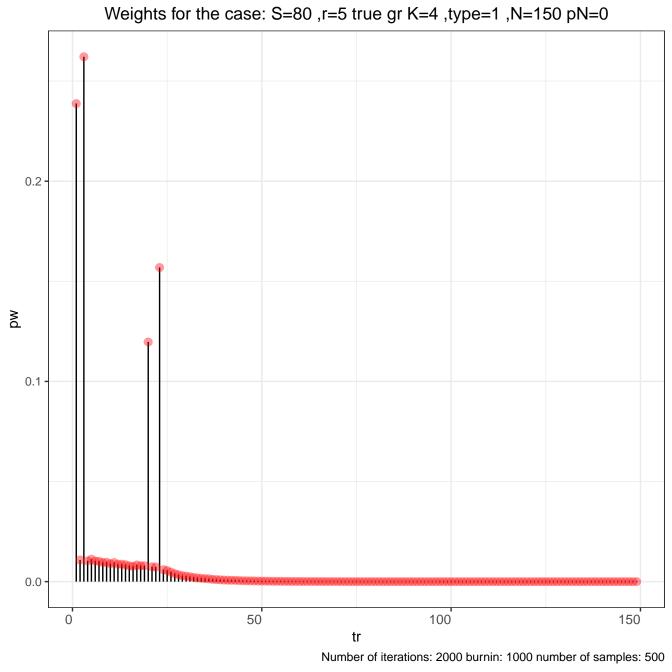
Trace plot for the number of groups K for S=80 r=5 true K=4 type=1 15 12 trace 6 -1000 2000 1500 500 iter

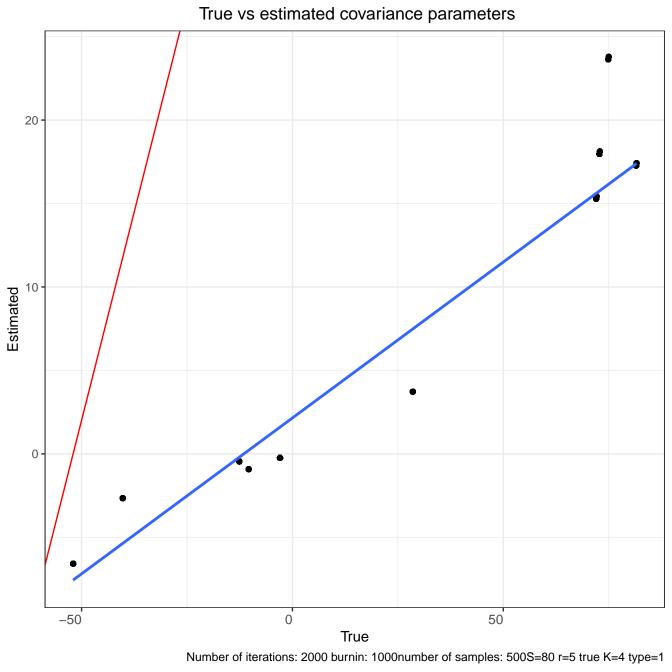
Distribution alpha: S=80 ,r=5 true gr K=4 ,type=1 ,N=150





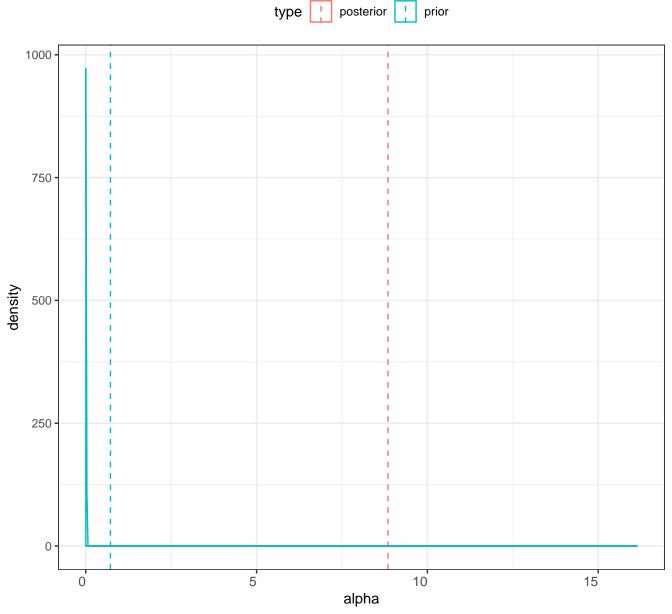
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=1 ,N=150

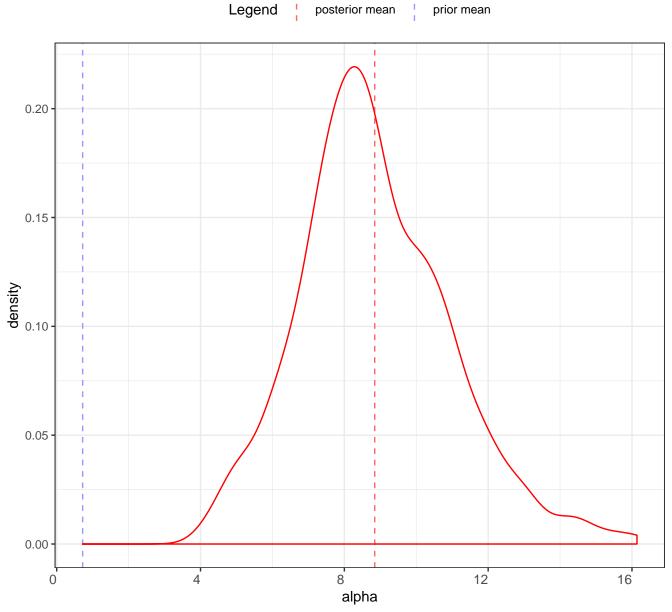




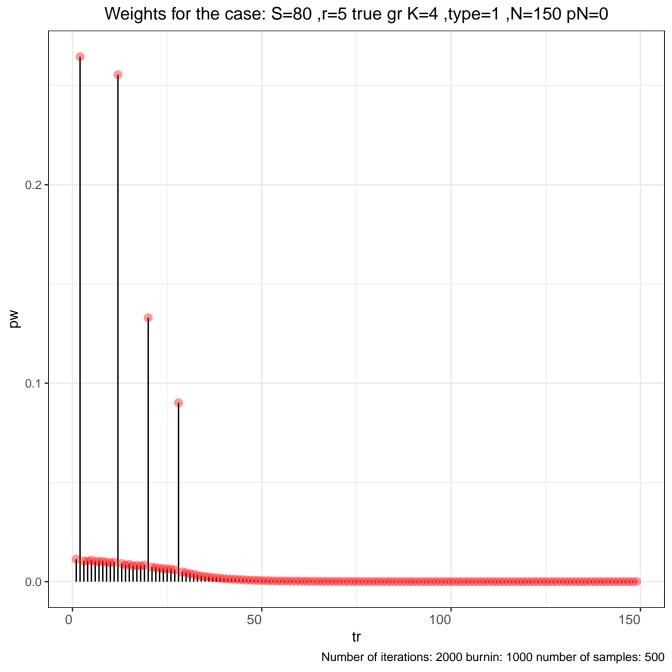
Trace plot for the number of groups K for S=80 r=5 true K=4 type=1 10trace 6 -1000 2000 1500 500 iter

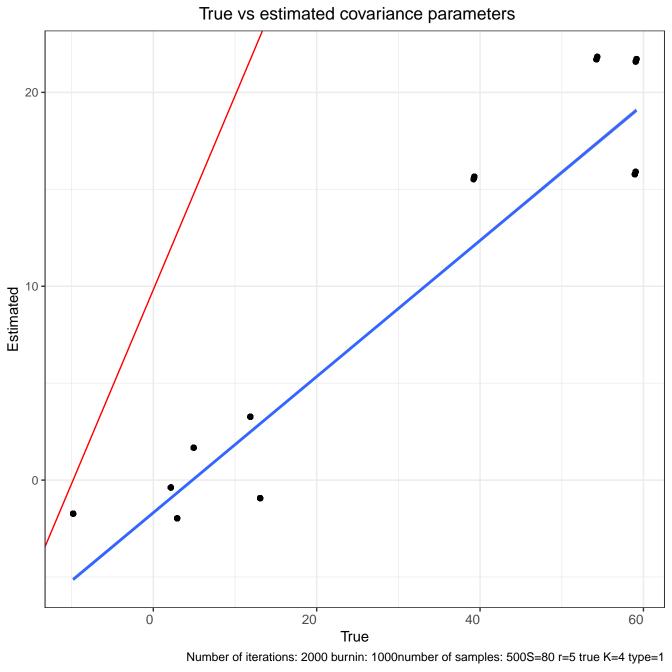
### Distribution alpha: S=80 ,r=5 true gr K=4 ,type=1 ,N=150





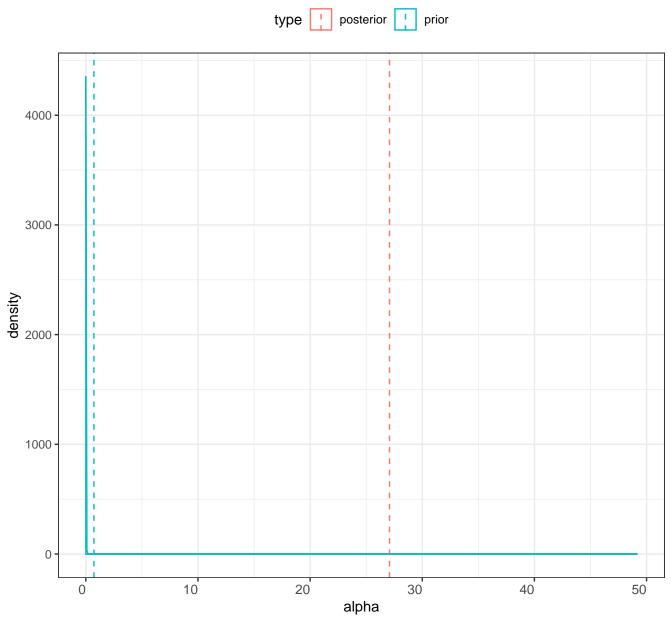
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=1 ,N=150

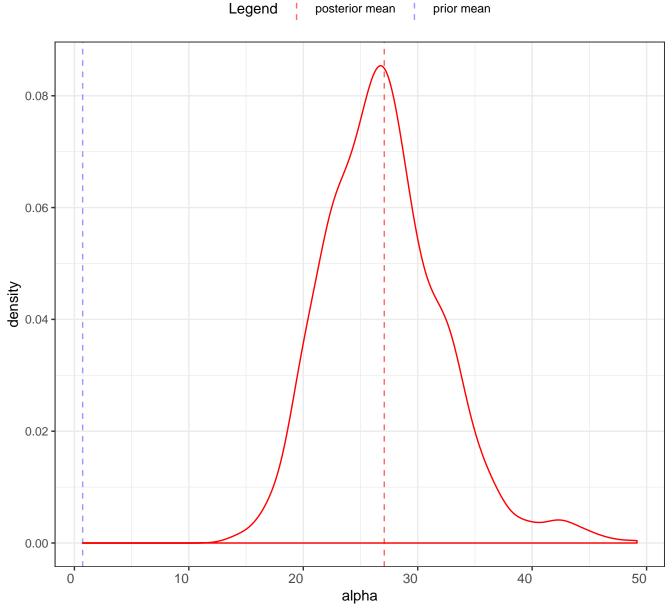




Trace plot for the number of groups K for S=80 r=5 true K=4 type=1 10 8 trace 6 -1000 2000 1500 500 iter

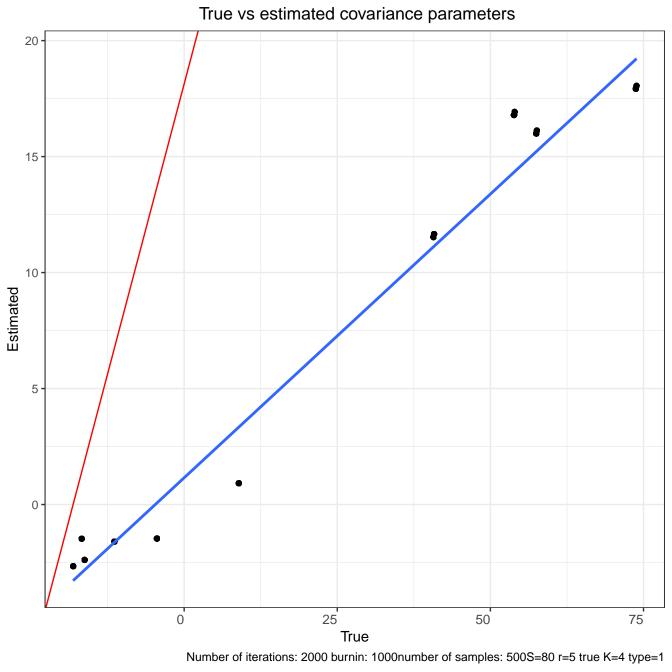
### Distribution alpha: S=80 ,r=5 true gr K=4 ,type=1 ,N=150





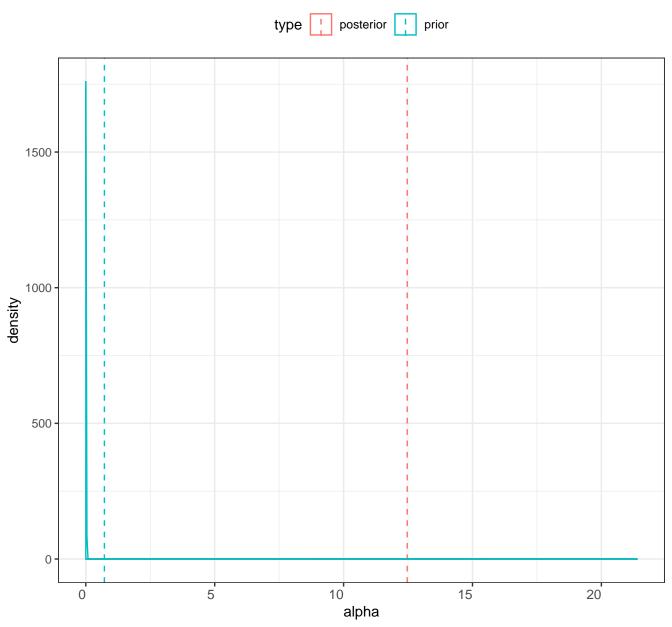
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=1 ,N=150

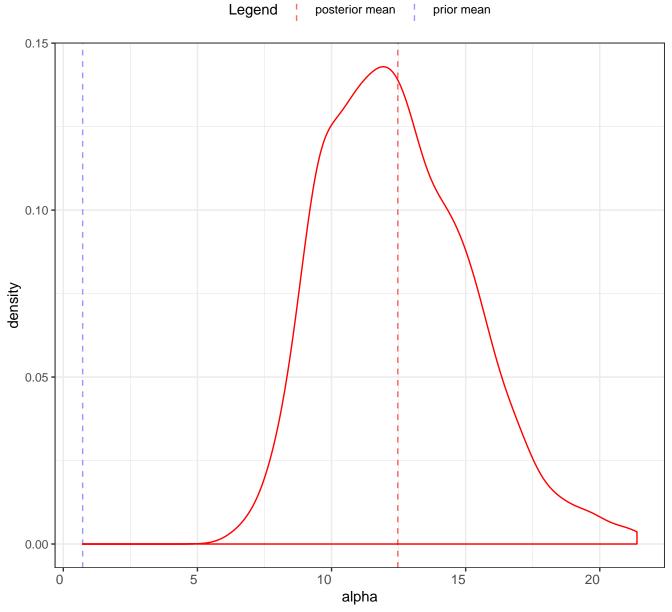
Weights for the case: S=80 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.006 0.10 0.05 -0.00 -50 100 150 0 tr



Trace plot for the number of groups K for S=80 r=5 true K=4 type=1 15 12 trace 6 -1000 2000 1500 500 iter

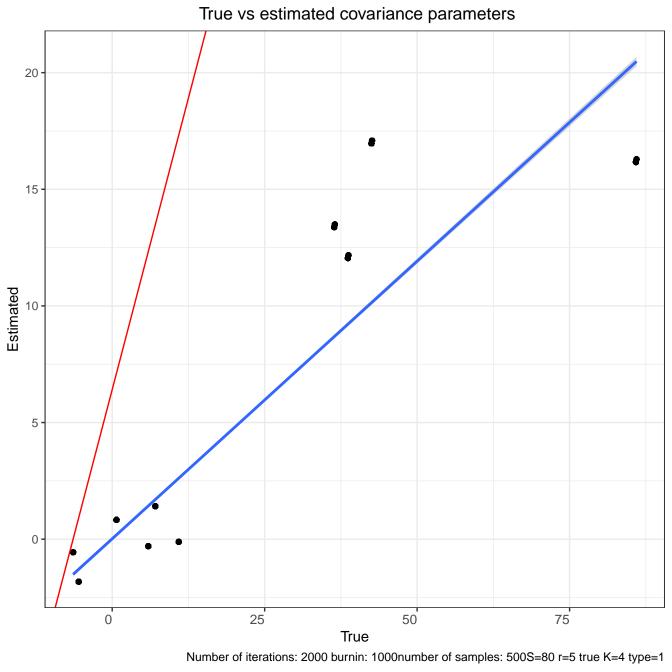
### Distribution alpha: S=80 ,r=5 true gr K=4 ,type=1 ,N=150



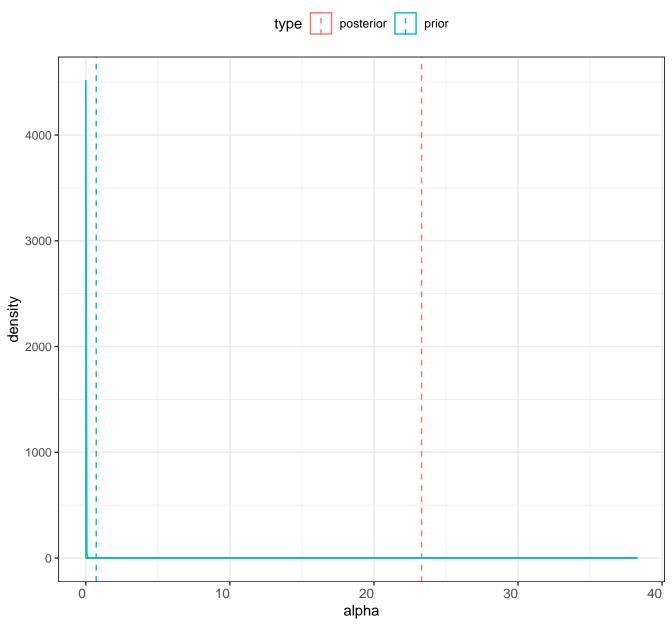


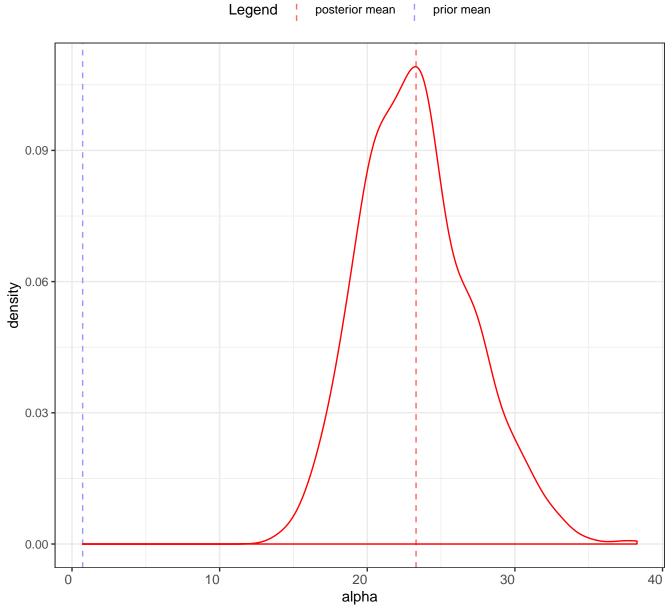
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=1 ,N=150

Weights for the case: S=80 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0 0.25 0.20 0.15 ă 0.10 -0.05 -0.00 -50 100 150 0 tr

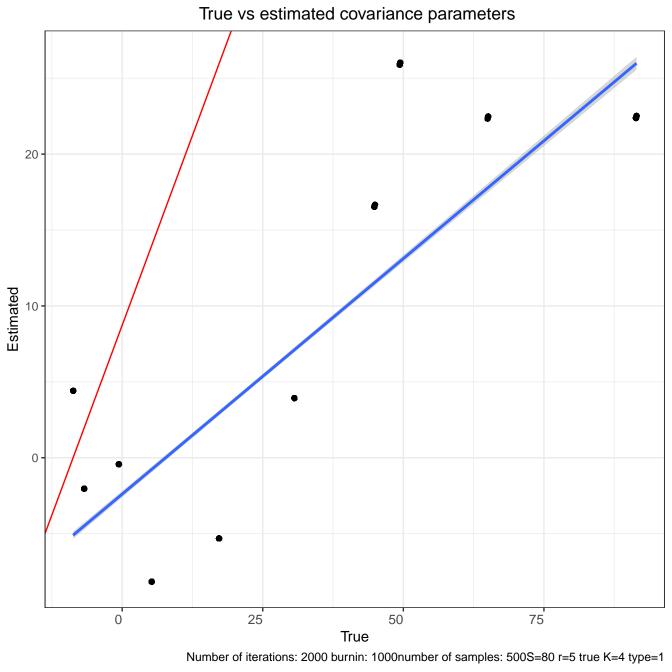


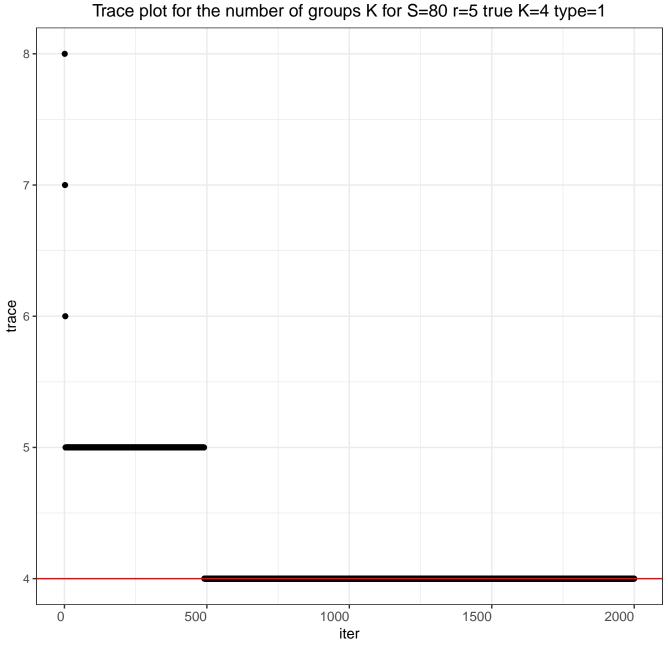
Trace plot for the number of groups K for S=80 r=5 true K=4 type=1 10trace 6 -1000 2000 1500 500 iter

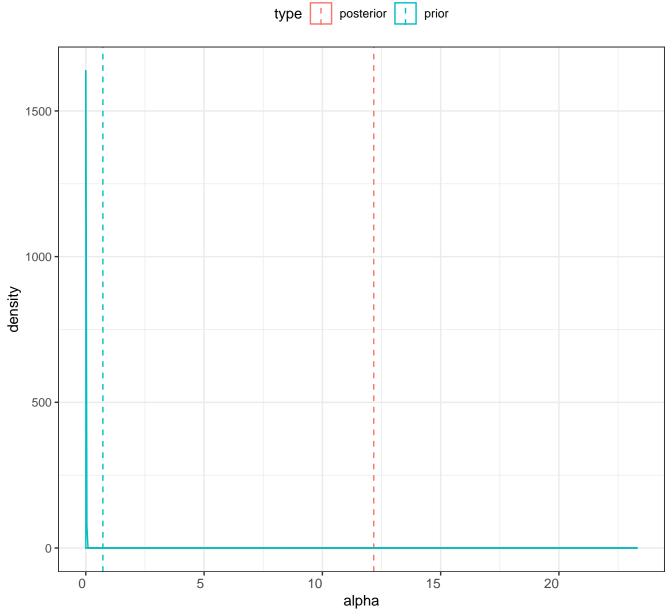


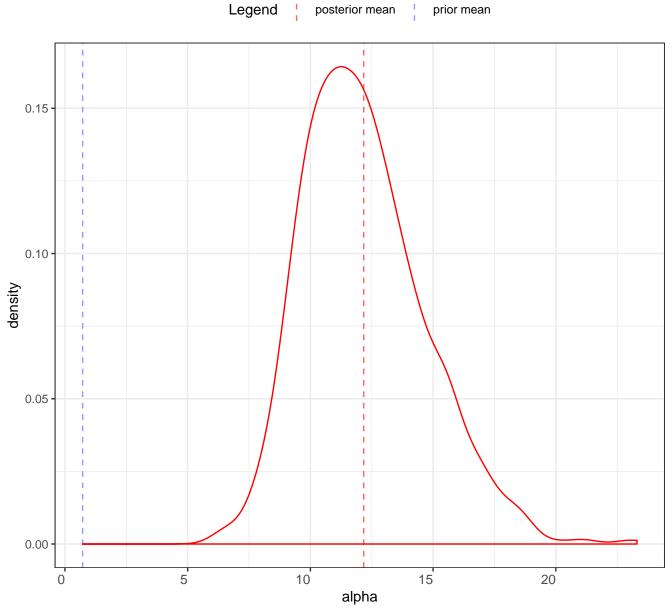


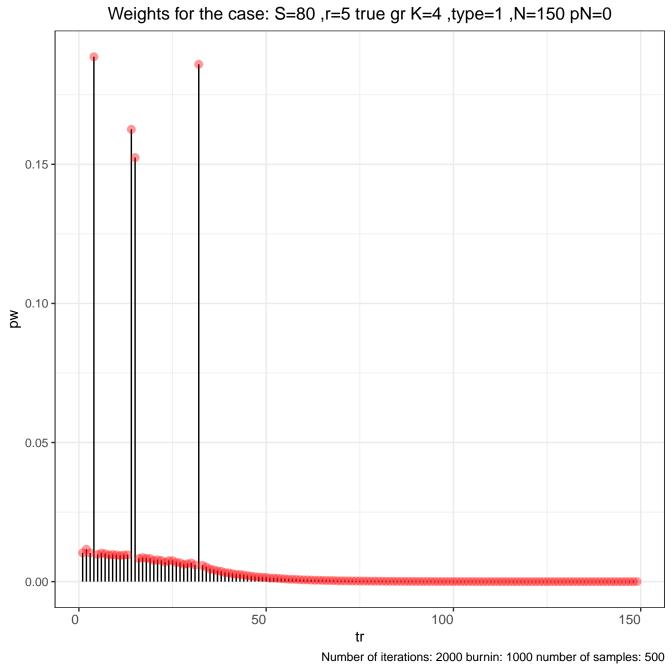
Weights for the case: S=80, r=5 true gr K=4, type=1, N=150 pN=0.002 0.15 -0.10 -0.05 -0.00 50 100 150 0 tr

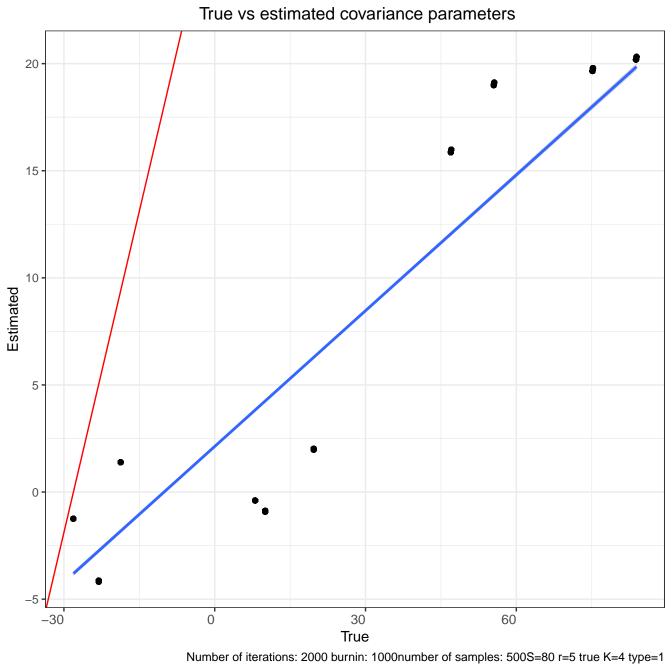


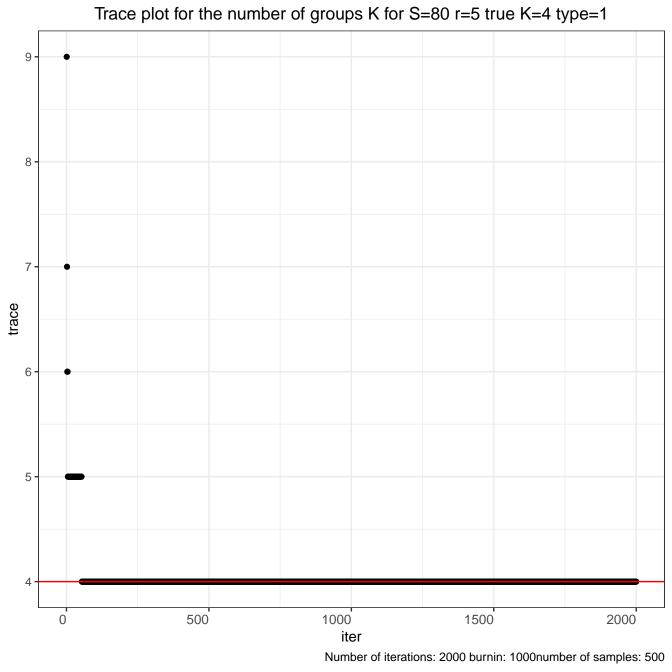


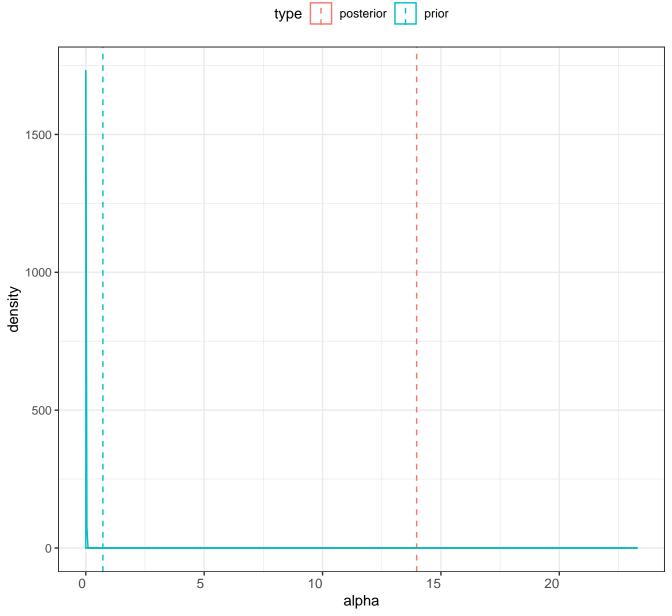


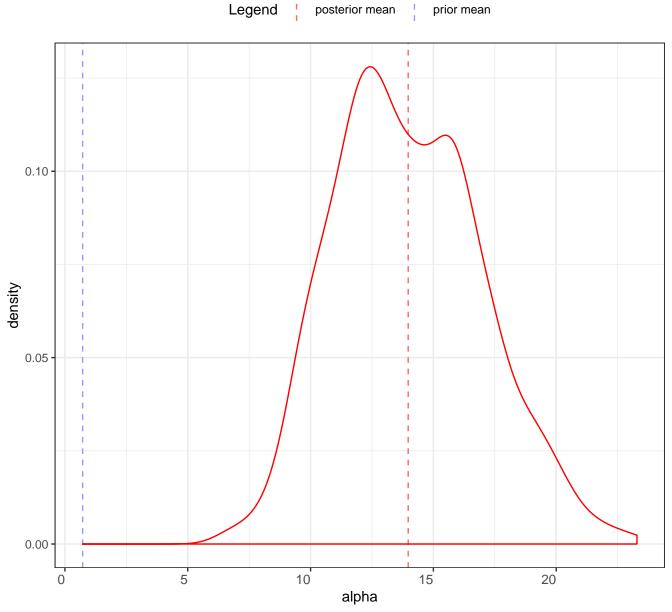




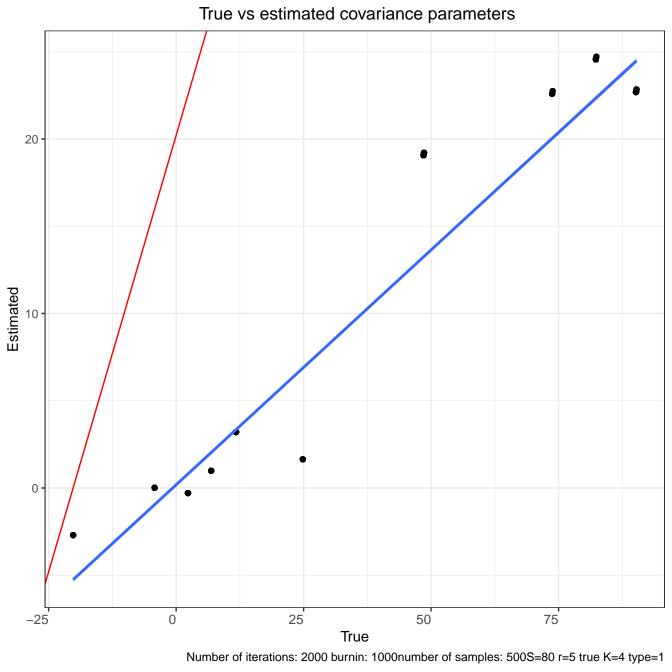




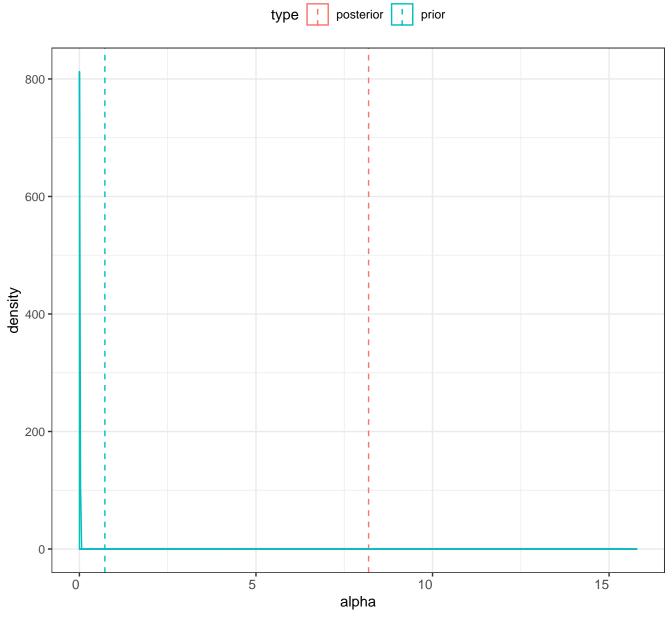


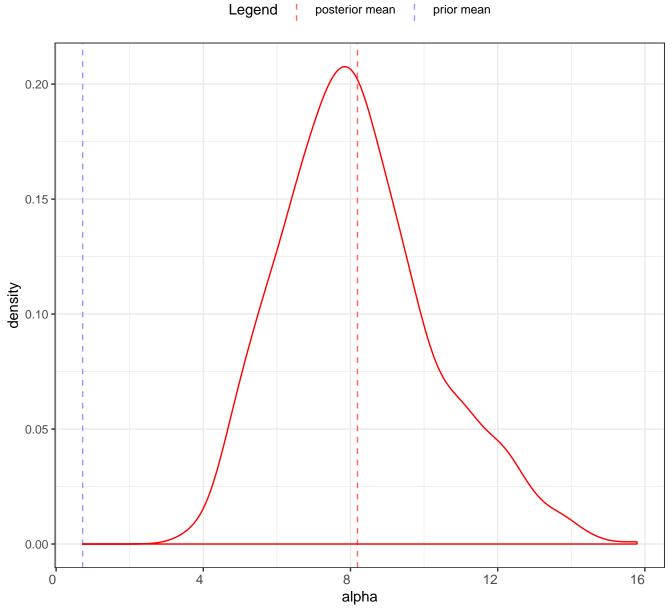


Weights for the case: S=80 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0 0.20 0.15 ă 0.10 -0.05 -0.00 -50 100 150 0 tr

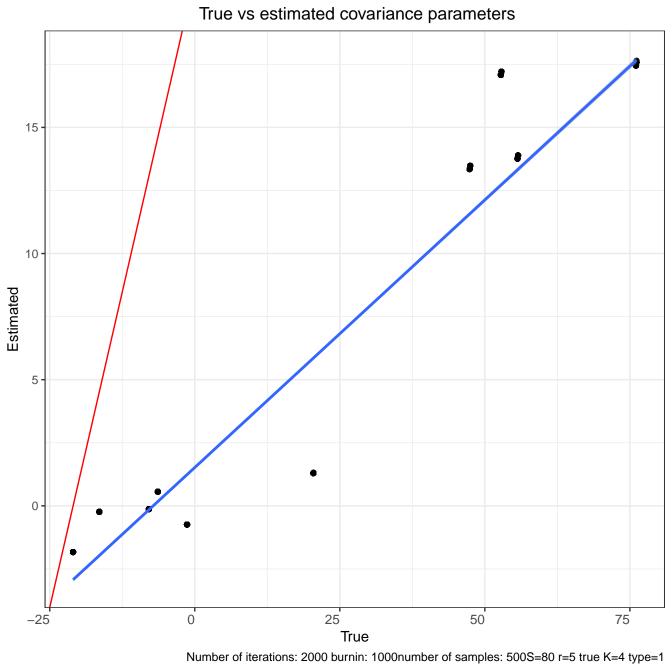


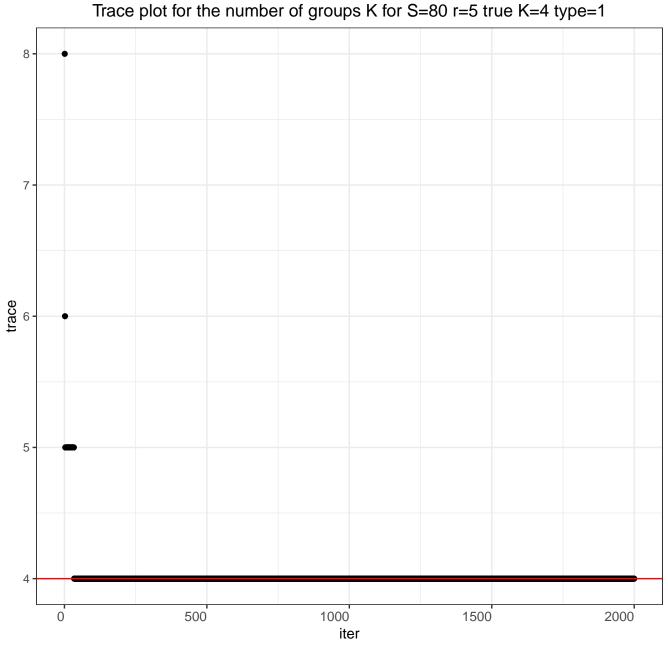
Trace plot for the number of groups K for S=80 r=5 true K=4 type=1 12 -6 -1000 2000 500 1500 0 iter

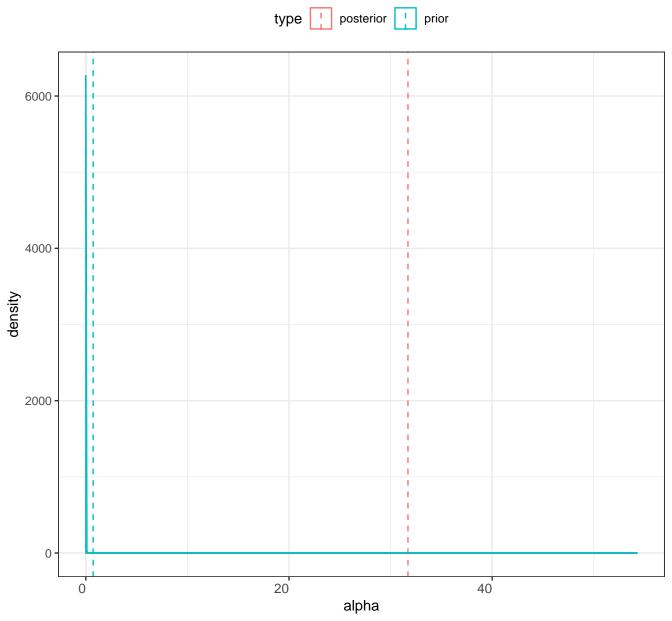


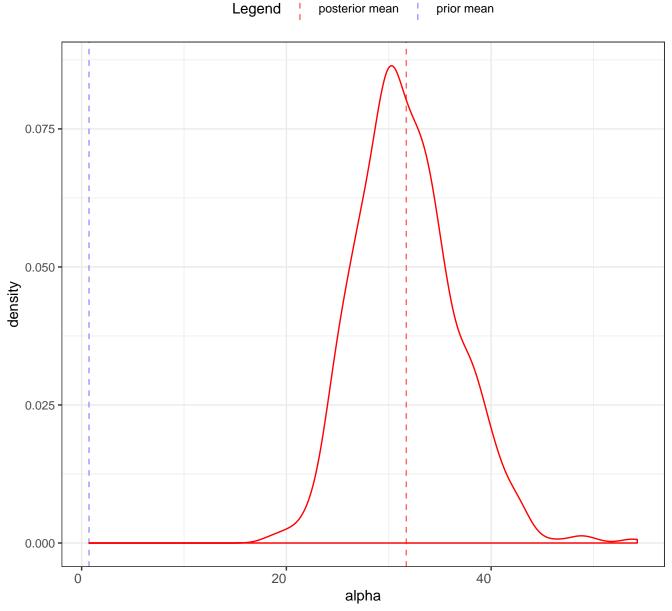


Weights for the case: S=80 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0 0.20 0.15 ă 0.10 0.05 0.00 50 100 150 0 tr

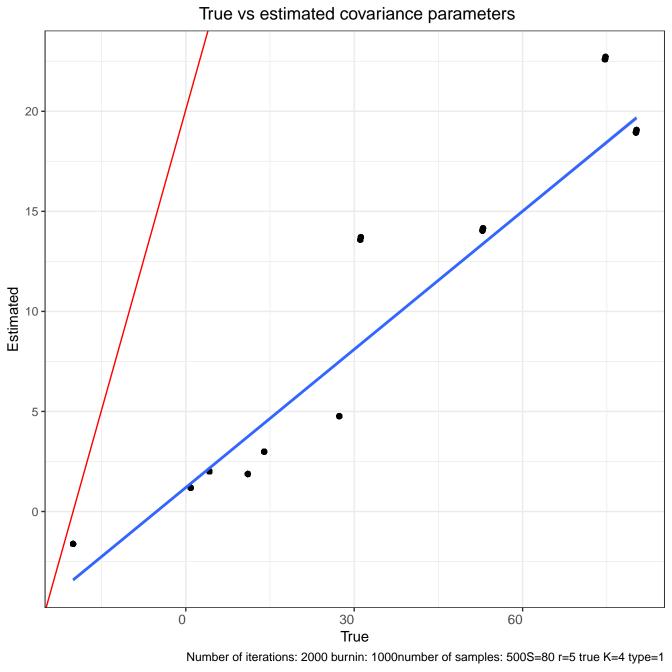




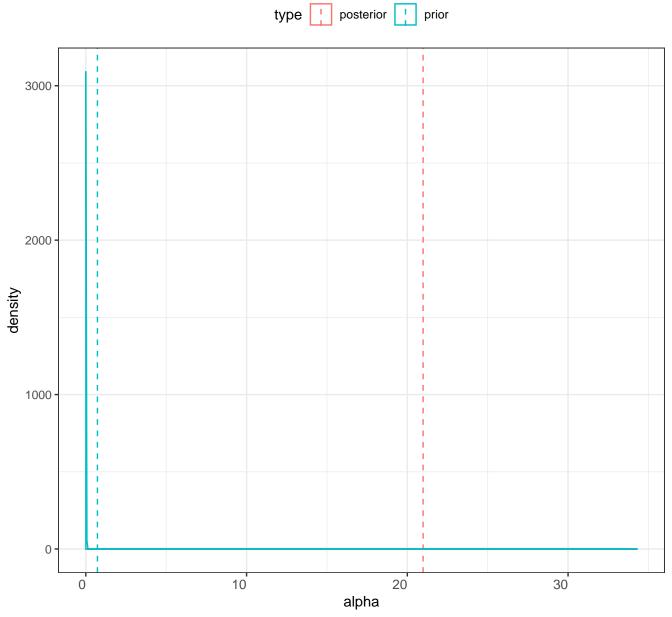


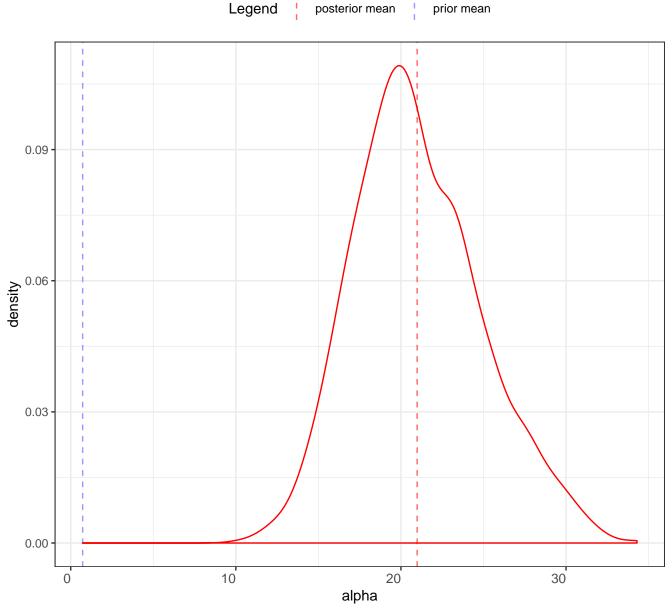


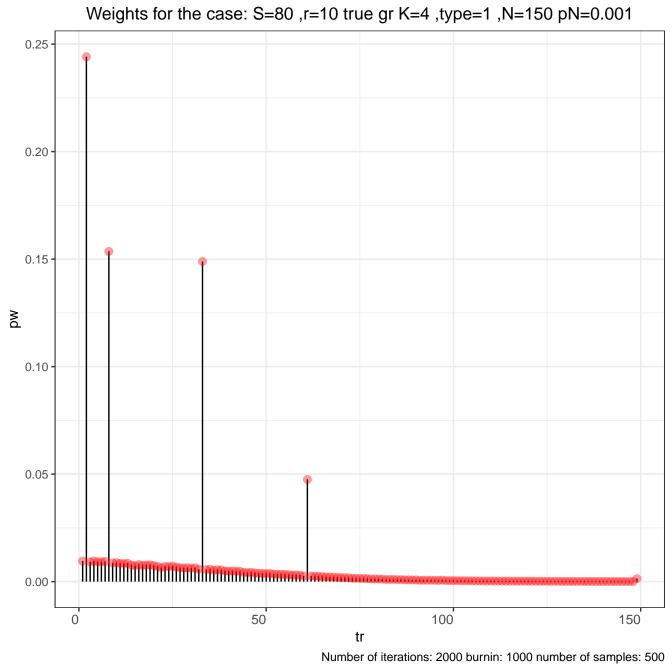
Weights for the case: S=80 ,r=5 true gr K=4 ,type=1 ,N=150 pN=0.01 0.20 0.15 -0.05 -0.00 50 100 150 0 tr

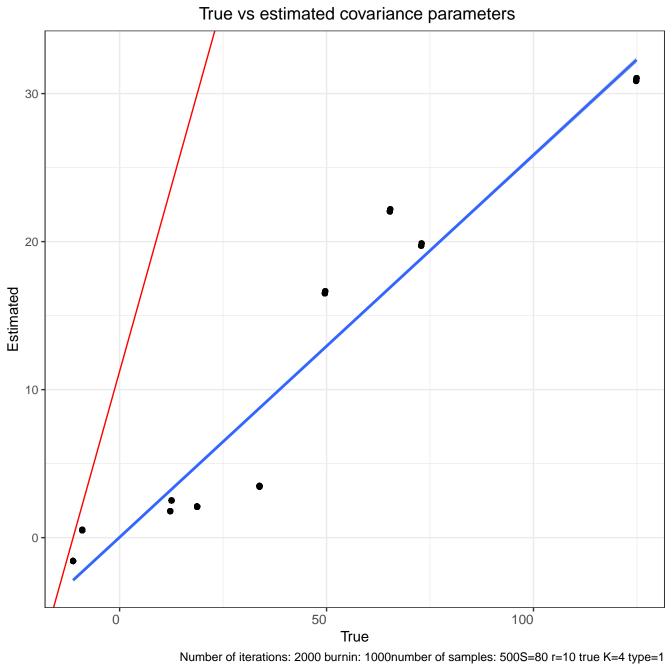


Trace plot for the number of groups K for S=80 r=10 true K=4 type=1 10trace 6 -1000 2000 1500 500 iter

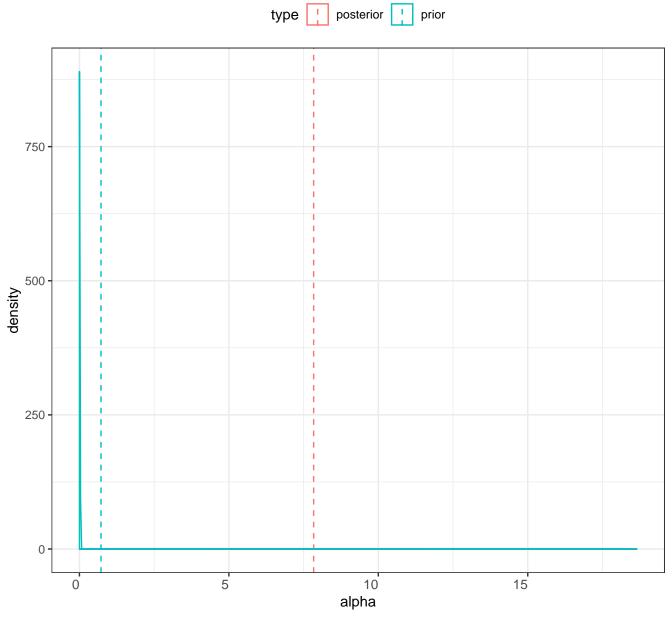


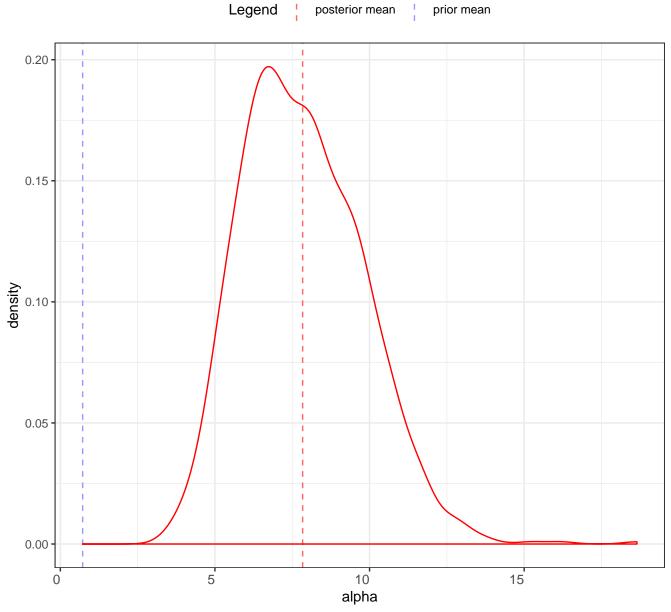


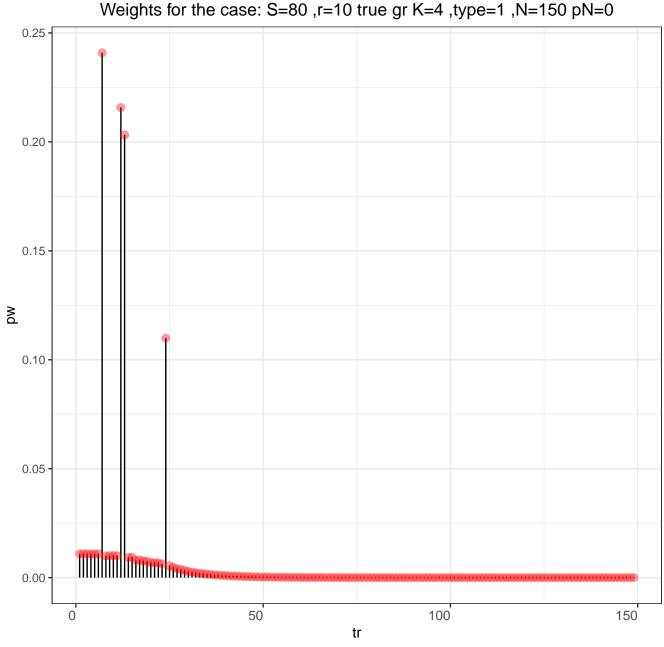


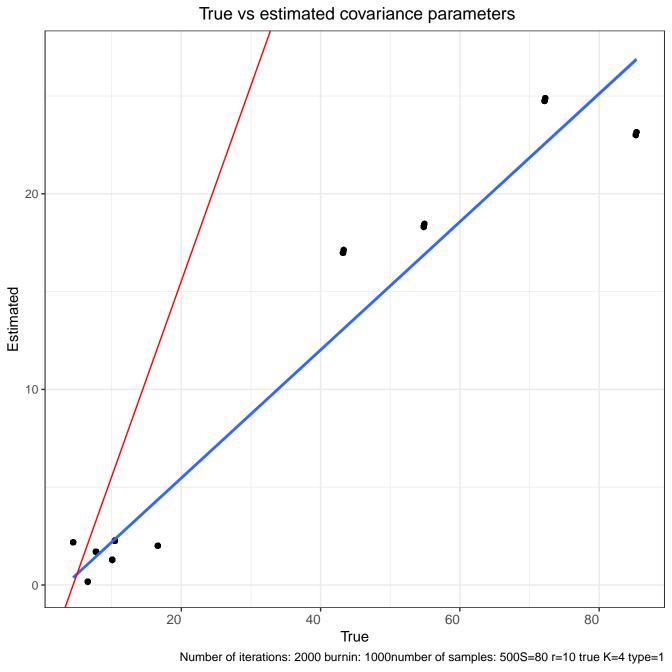


Trace plot for the number of groups K for S=80 r=10 true K=4 type=1 10 8 trace 6 -1000 2000 1500 500 iter

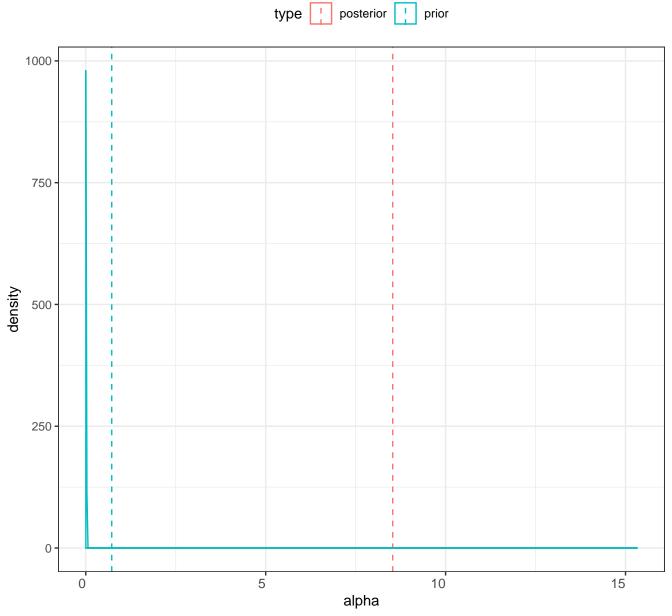


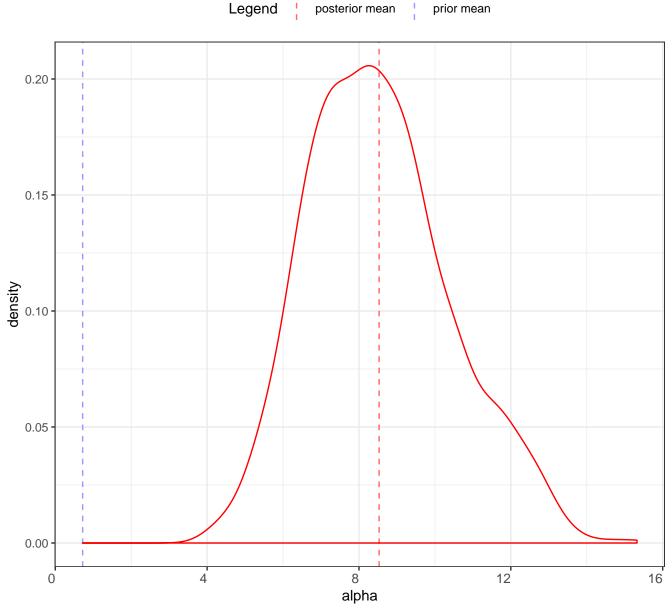


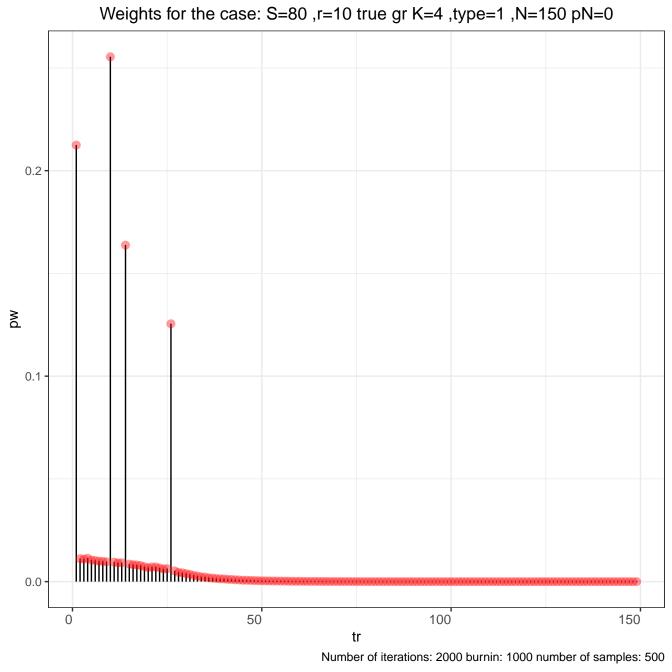


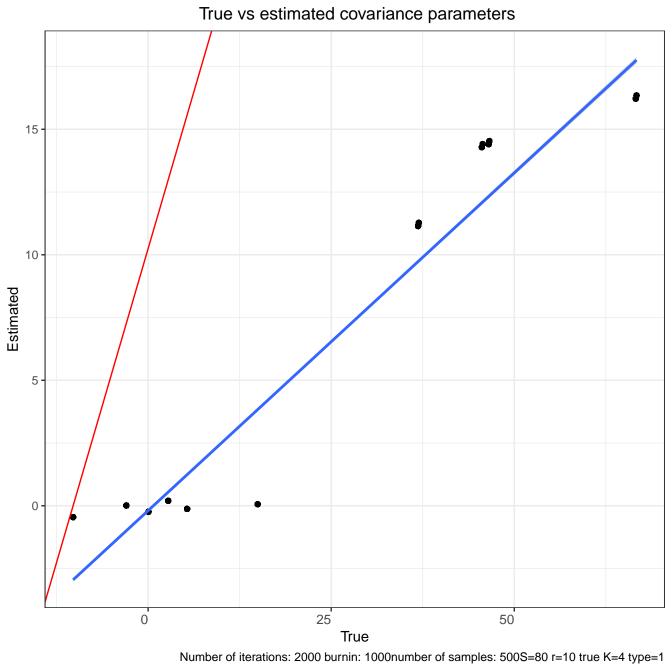


Trace plot for the number of groups K for S=80 r=10 true K=4 type=1 10trace 6 -1000 2000 1500 500 iter

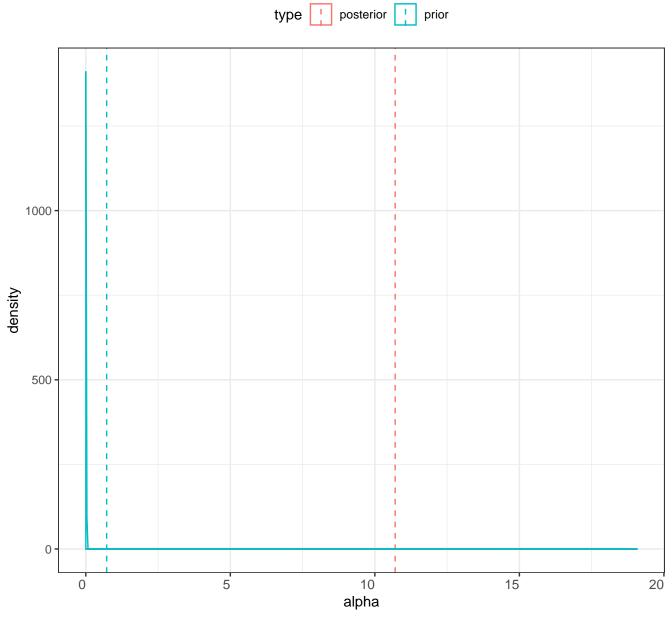


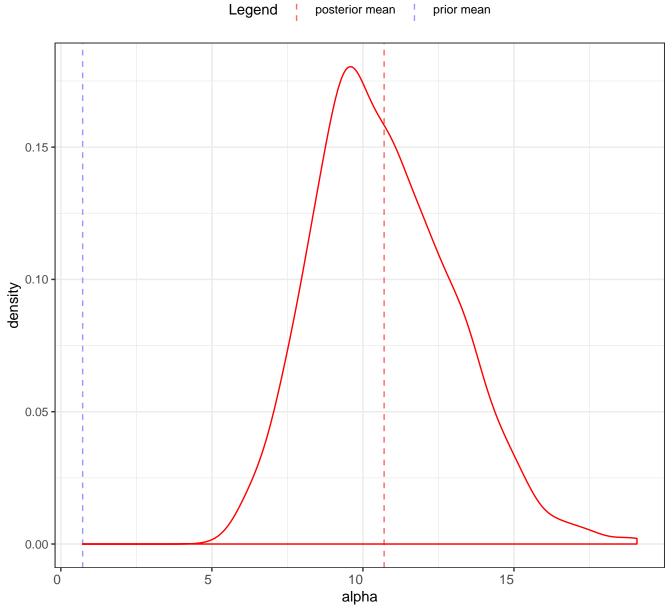


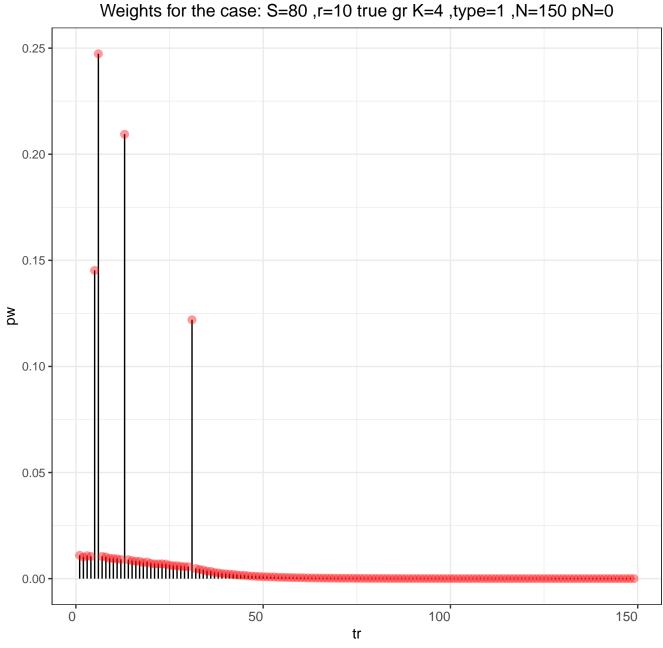


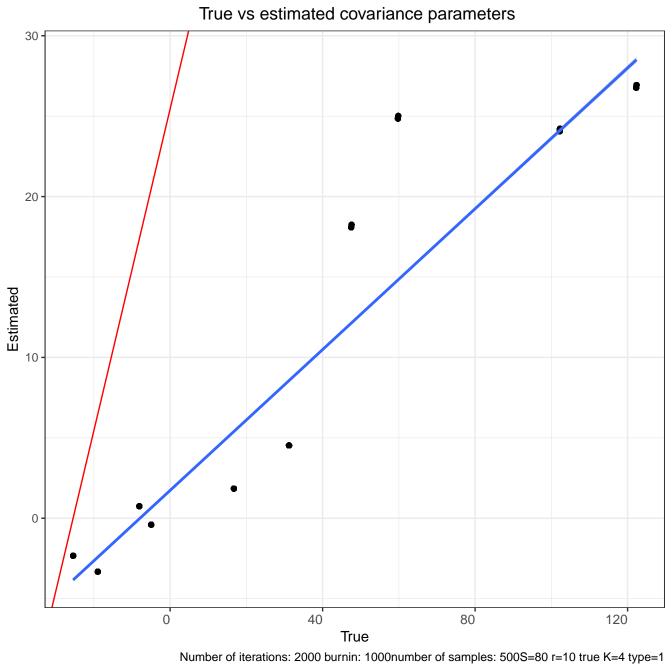


Trace plot for the number of groups K for S=80 r=10 true K=4 type=1 6 trace 5 500 1000 1500 2000 iter

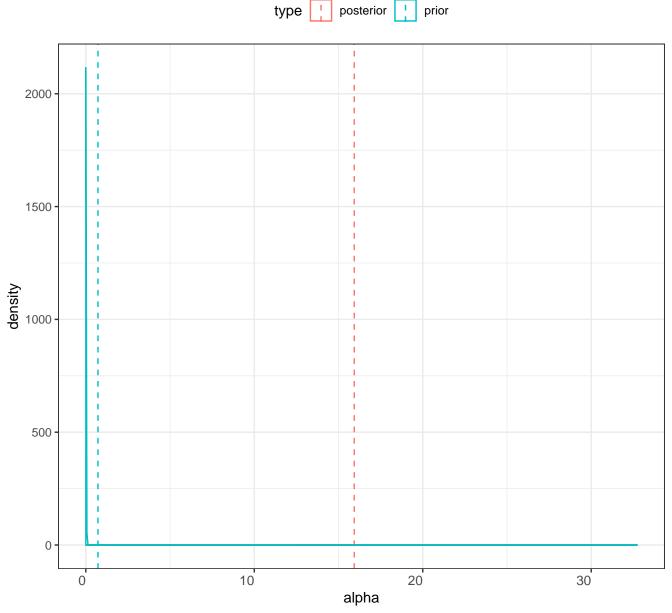


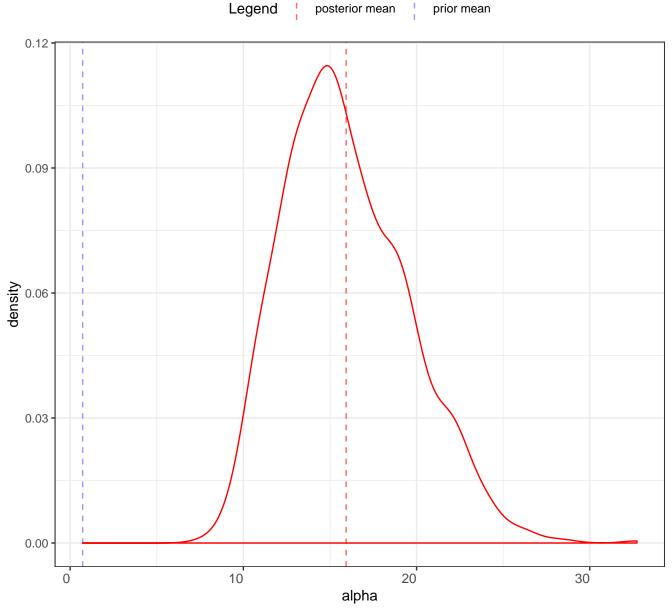




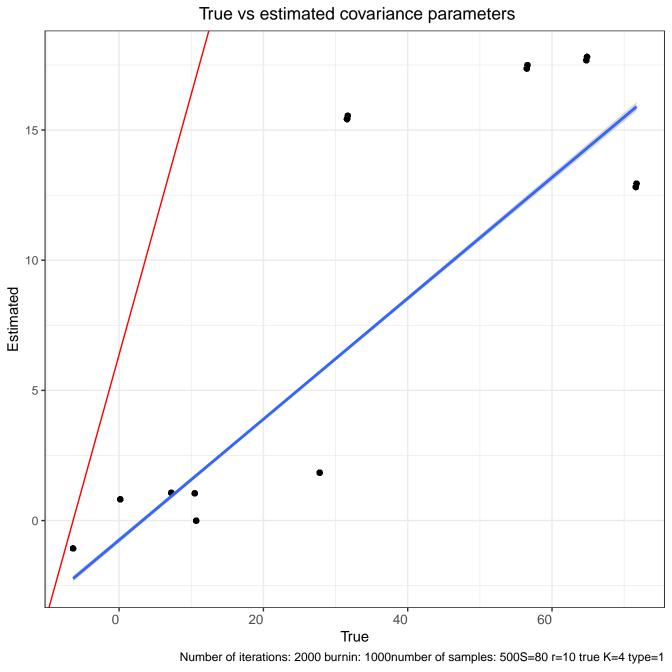


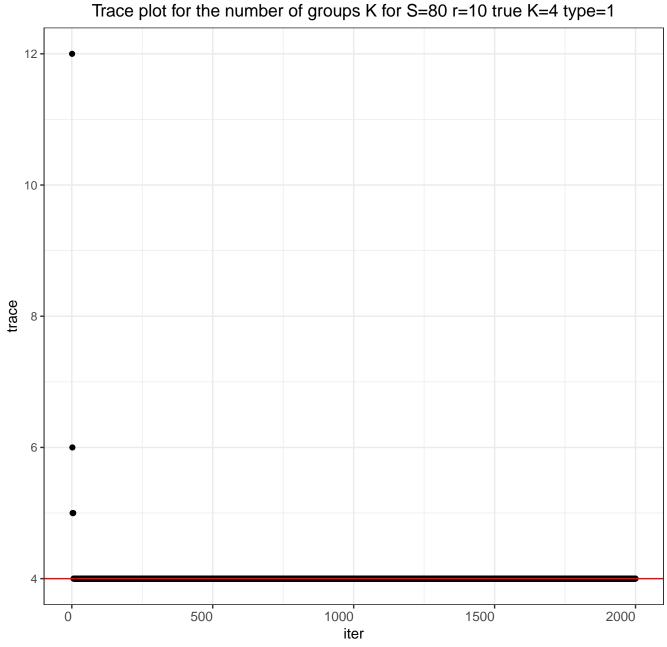
Trace plot for the number of groups K for S=80 r=10 true K=4 type=1 10 8 trace 6 -1000 1500 2000 500 iter

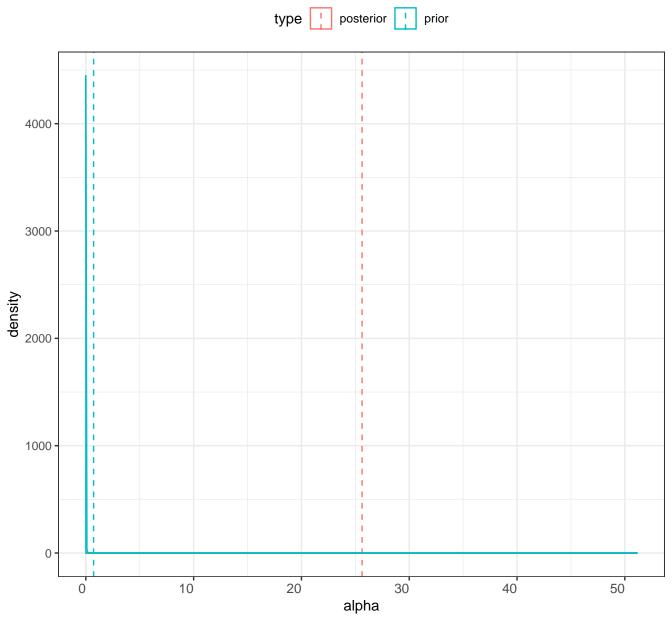


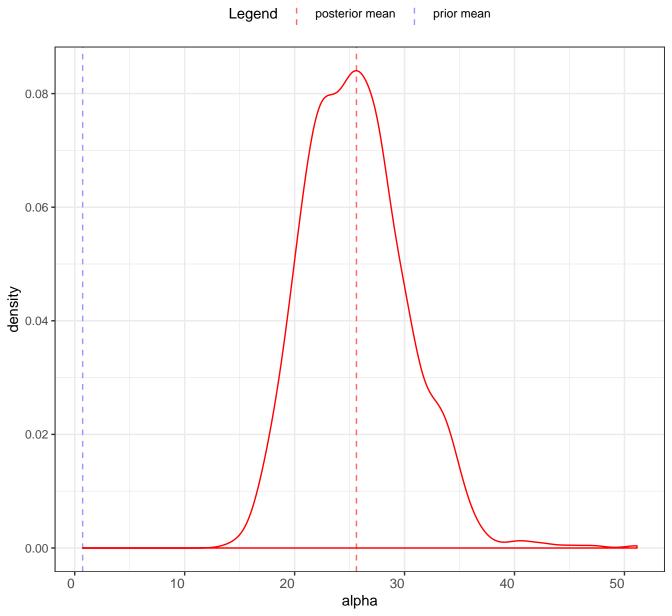


Weights for the case: S=80 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0 0.15 -0.10 ŏ 0.05 -0.00 -50 100 150 0 tr

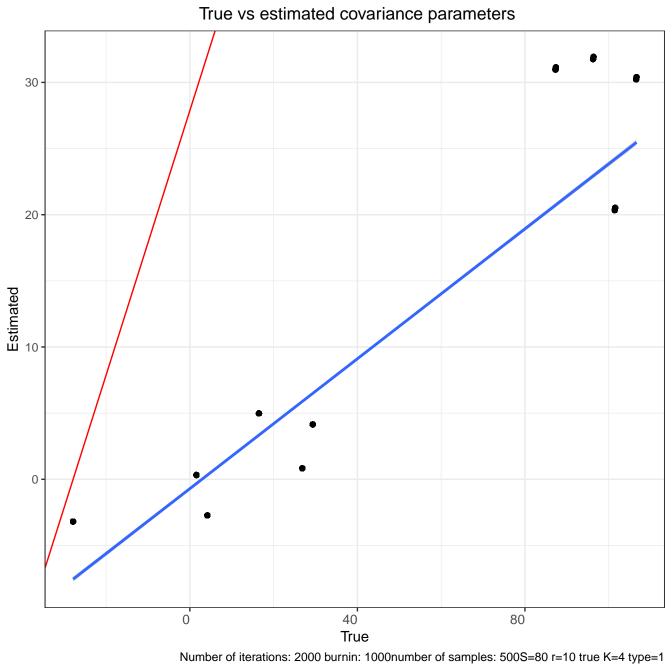


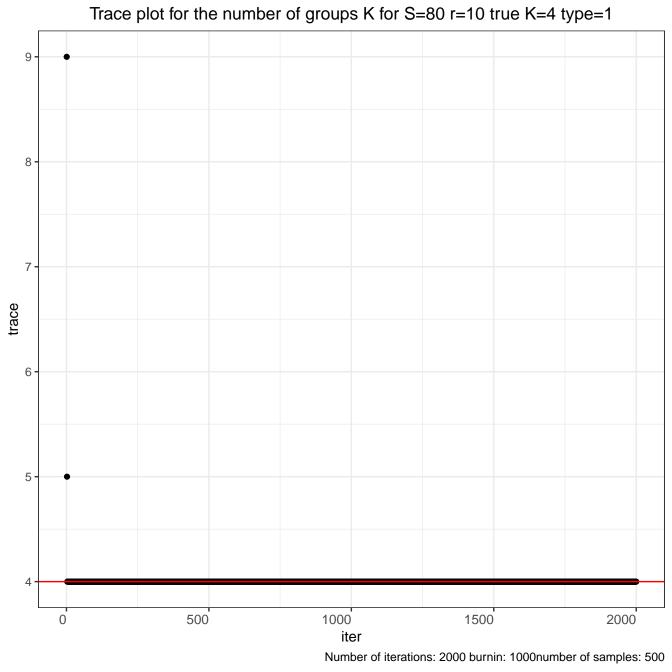


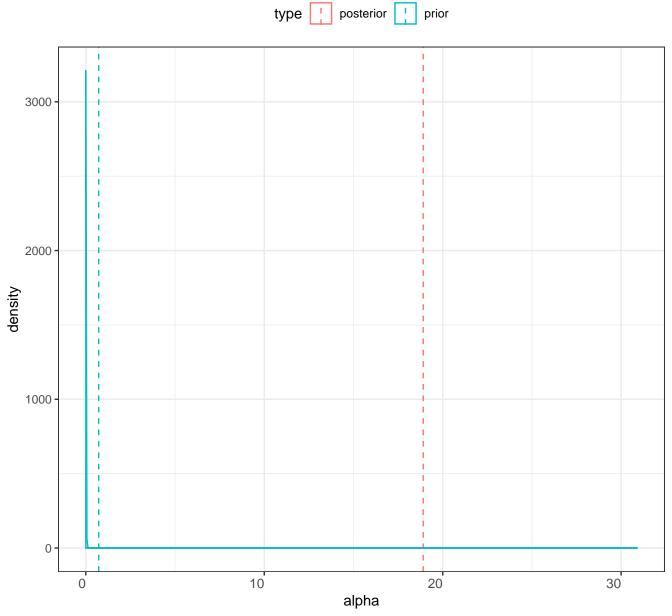


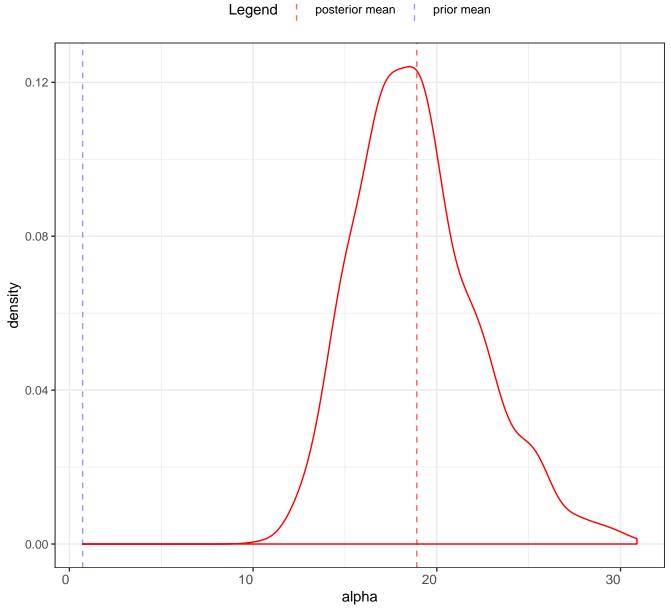


Weights for the case: S=80 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.004 0.20 0.15 -₹ 0.10 0.05 -0.00 50 100 150 0 tr

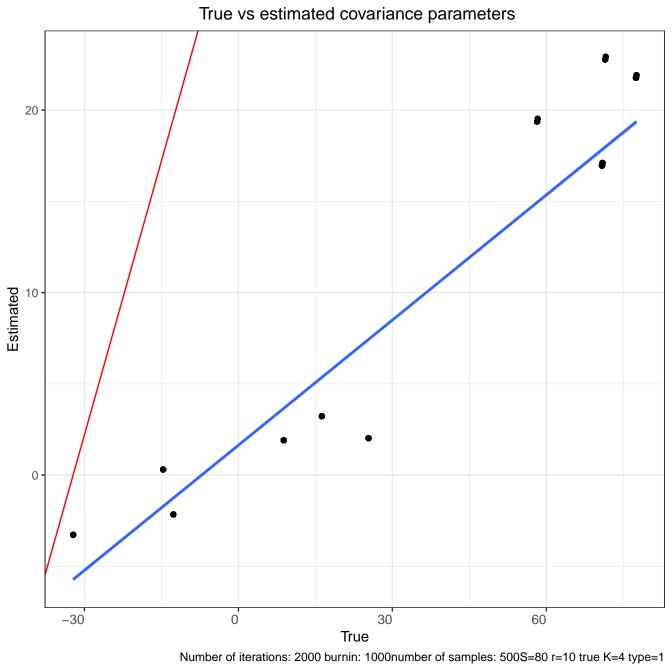




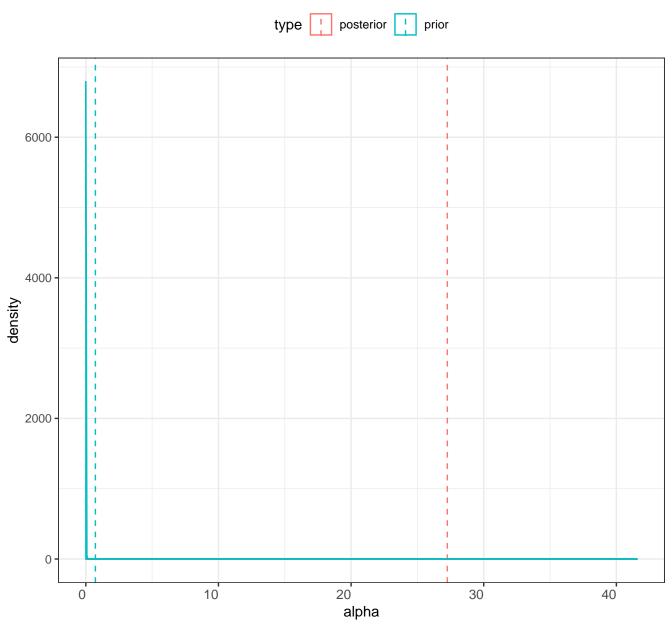


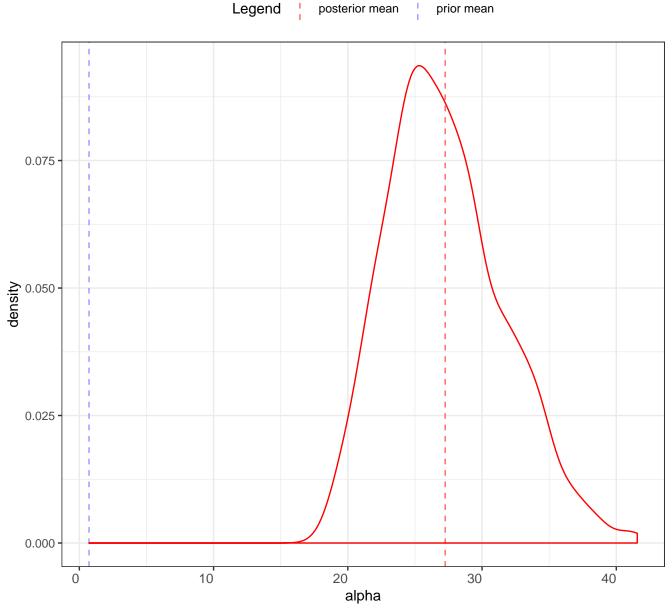


Weights for the case: S=80 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.001 0.20 0.15 -0.05 -0.00 -50 100 150 0 tr

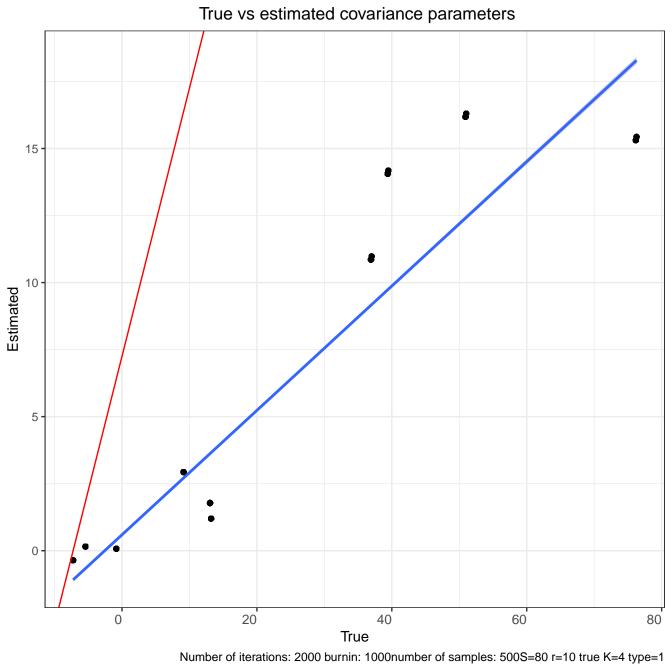


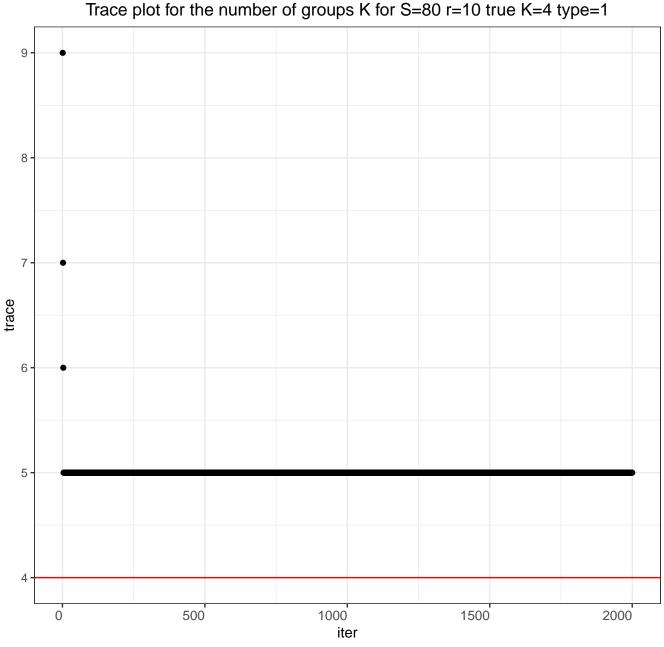
Trace plot for the number of groups K for S=80 r=10 true K=4 type=1 10-8 trace 6 -1000 2000 1500 500 iter

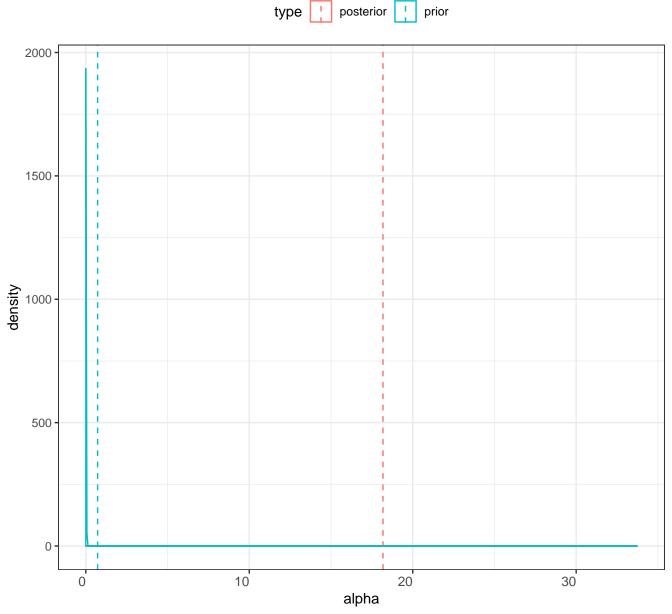


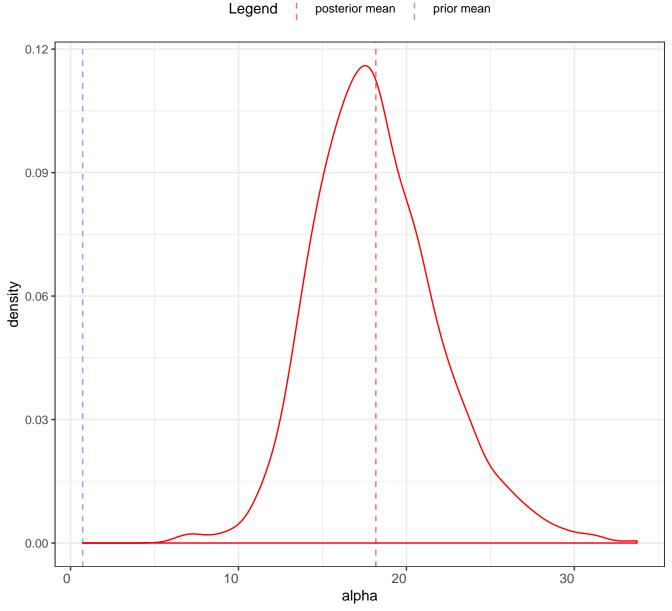


Weights for the case: S=80, r=10 true gr K=4, type=1, N=150 pN=0.005 0.15 -0.10 0.05 -0.00 -50 100 150 0 tr

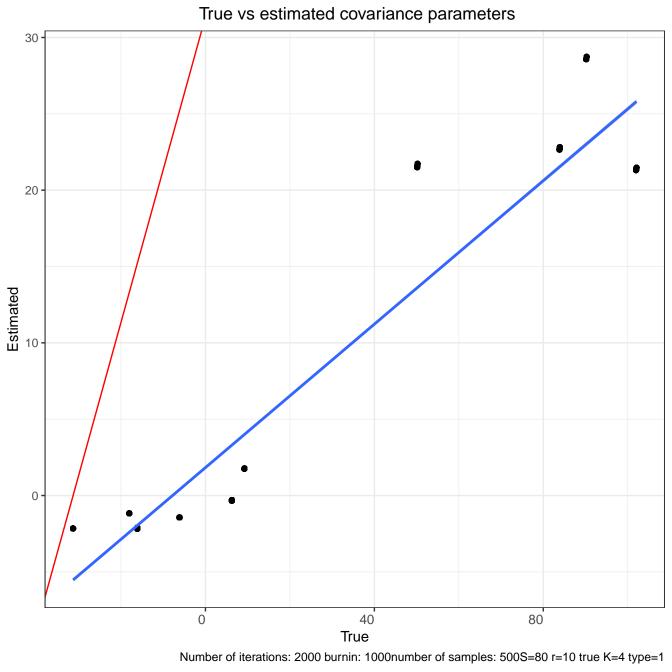


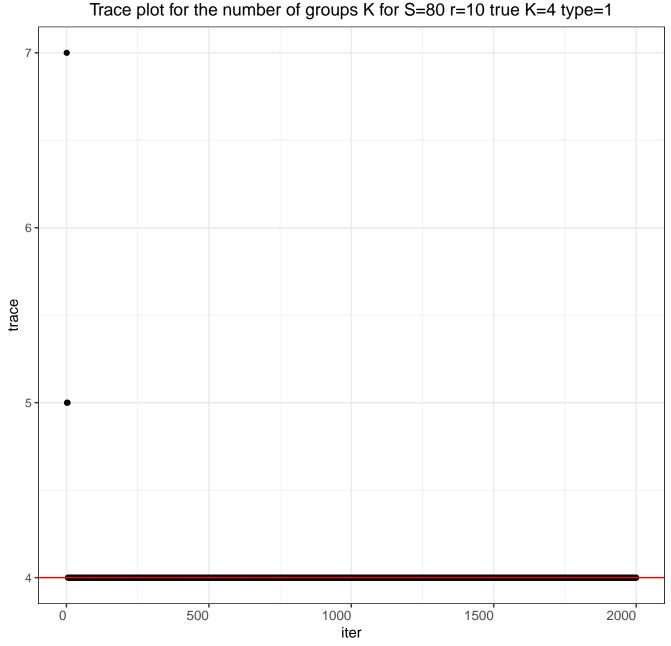


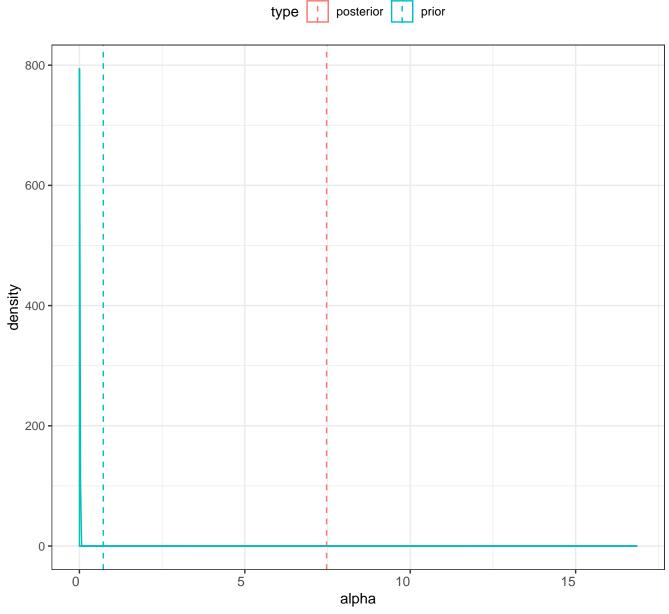


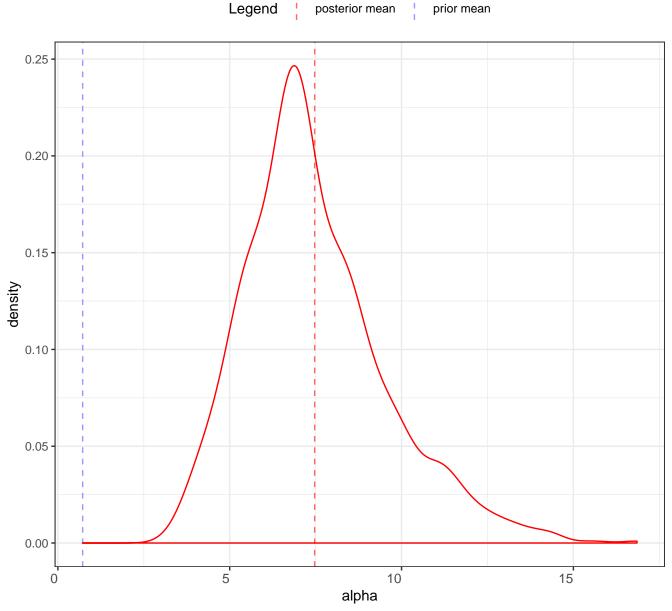


Weights for the case: S=80 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0.001 0.15 -0.10 ă 0.05 -0.00 -50 100 150 0 tr

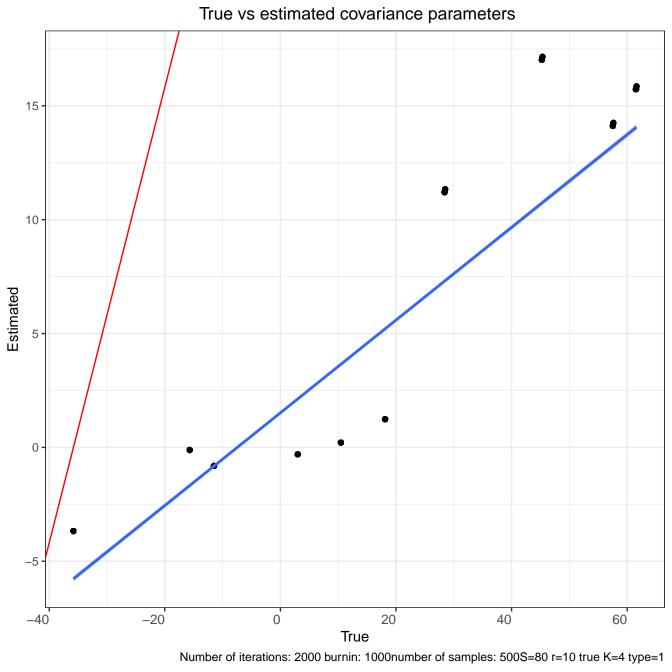




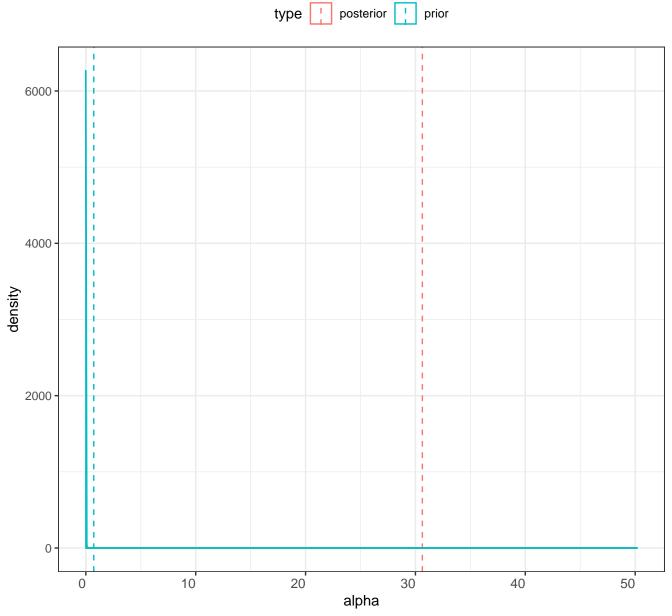


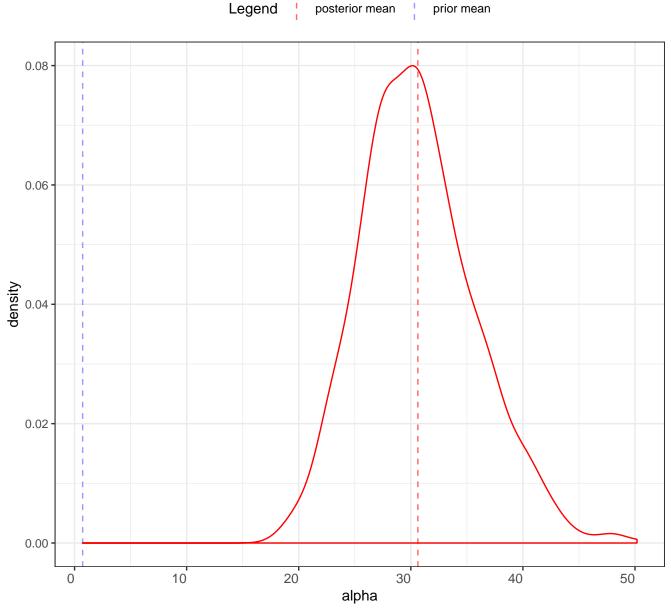


Weights for the case: S=80 ,r=10 true gr K=4 ,type=1 ,N=150 pN=0 0.20 0.15 ă 0.10 0.05 0.00 -50 100 150 0 tr

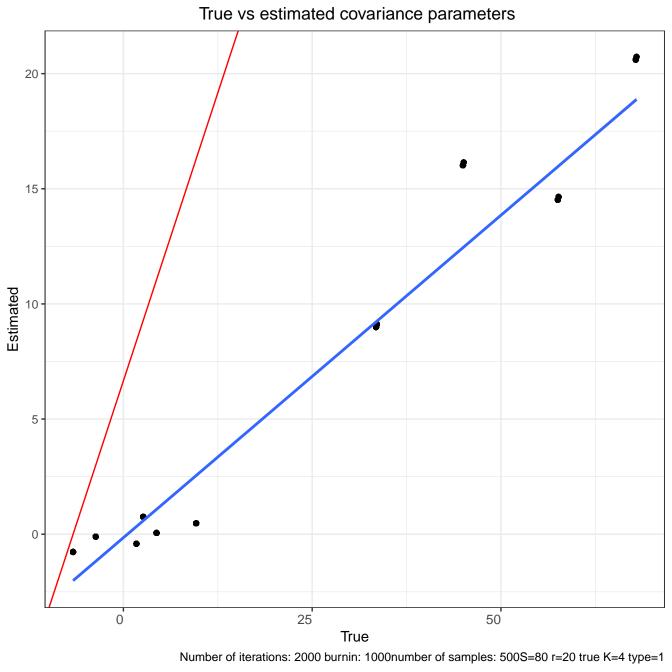


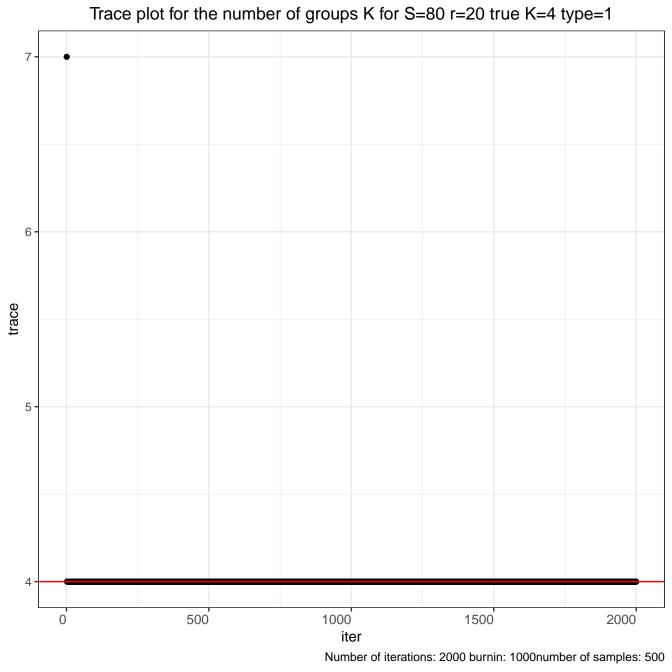
Trace plot for the number of groups K for S=80 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

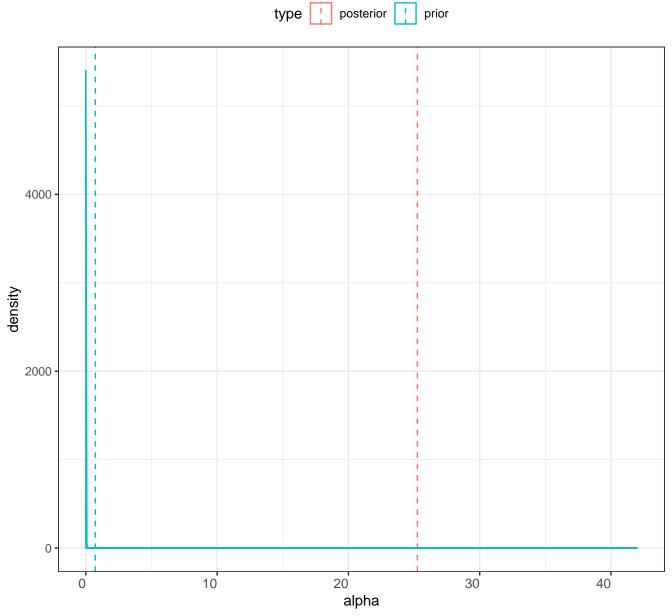


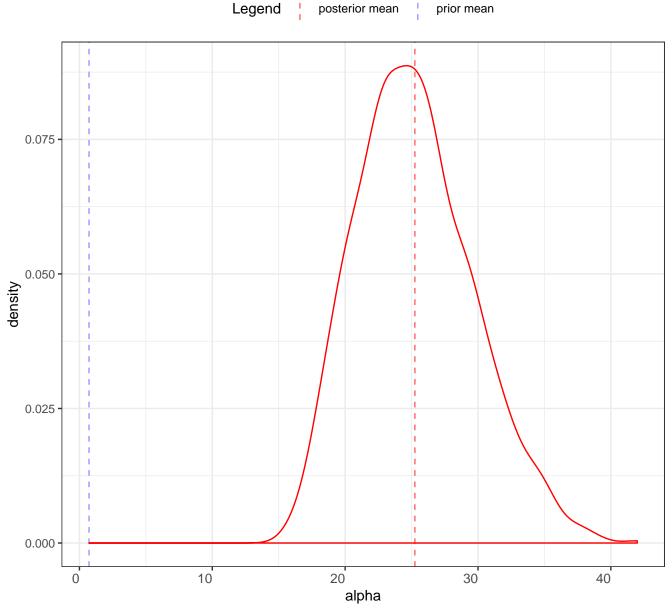


Weights for the case: S=80 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.009 0.2 0.1 0.0 50 100 150 tr

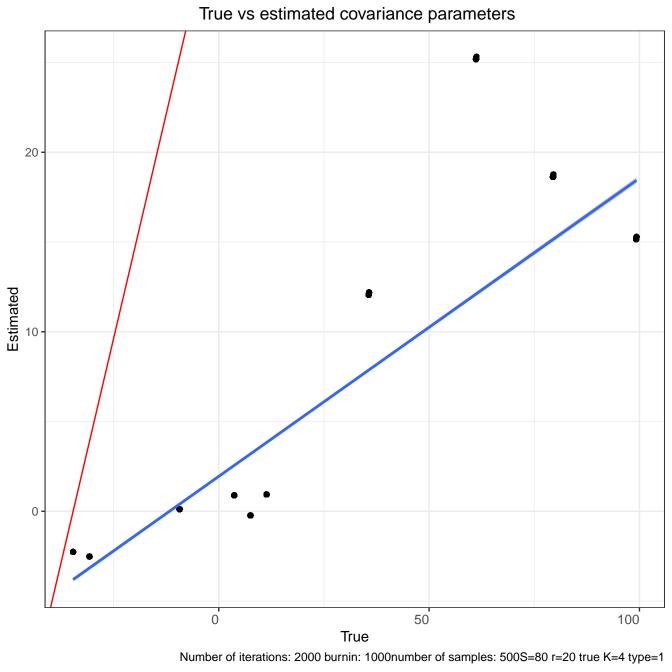




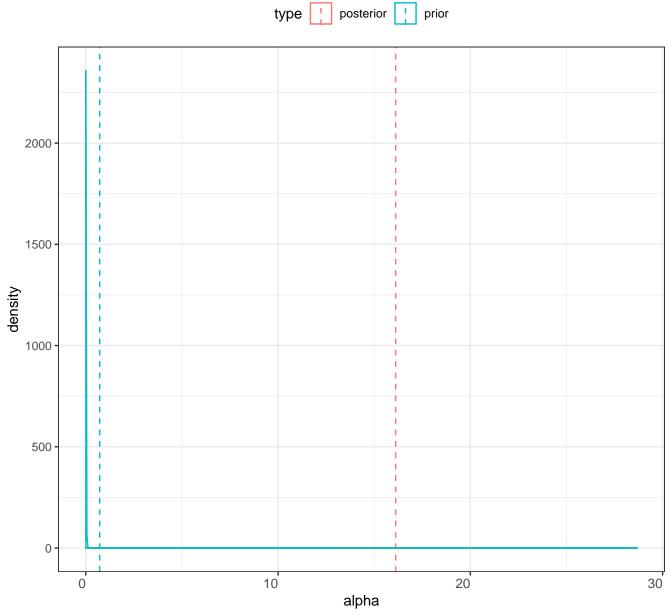


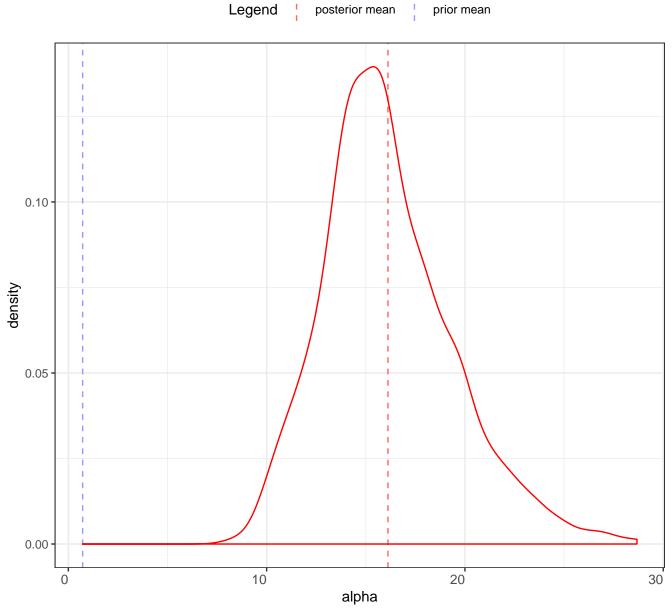


Weights for the case: S=80, r=20 true gr K=4, type=1, N=150 pN=0.004 0.20 -0.15 ă 0.10 -0.05 -0.00 50 100 150 0 tr

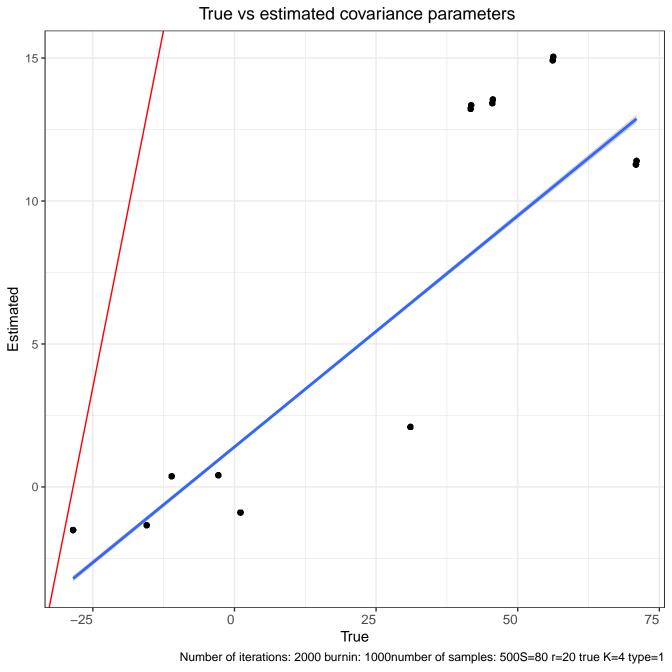


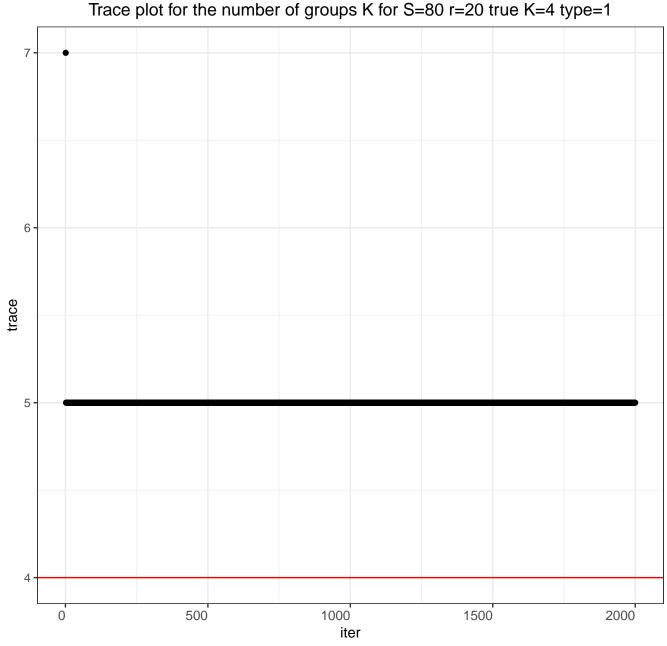
Trace plot for the number of groups K for S=80 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter

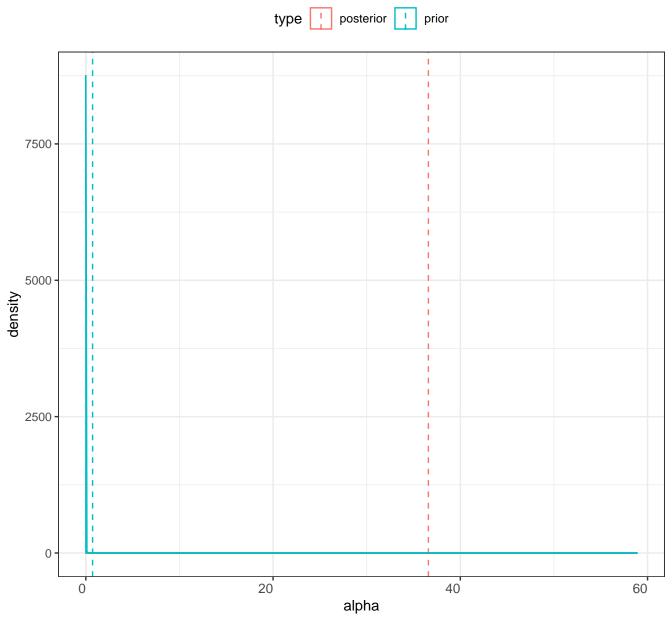


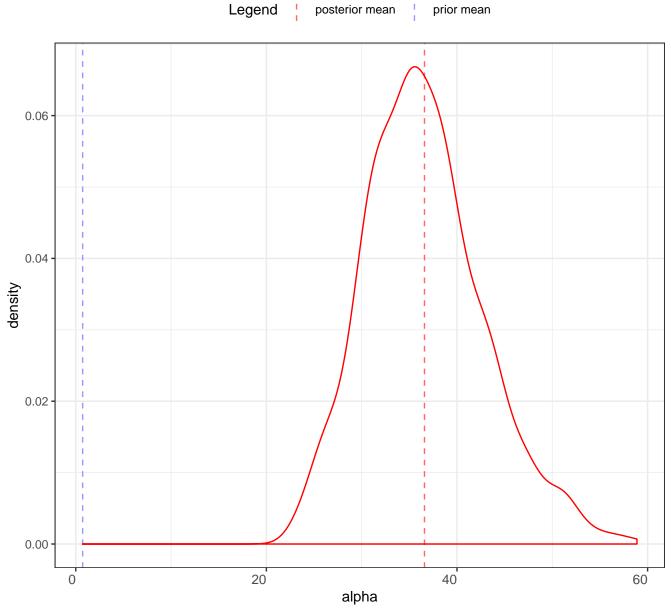


Weights for the case: S=80 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0 0.20 -0.15 -<u>a</u> 0.10 0.05 0.00 50 100 150 0 tr

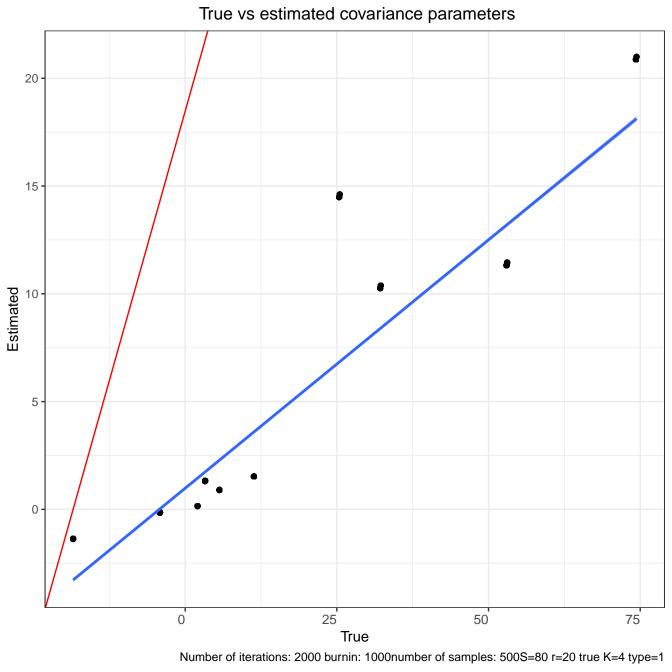


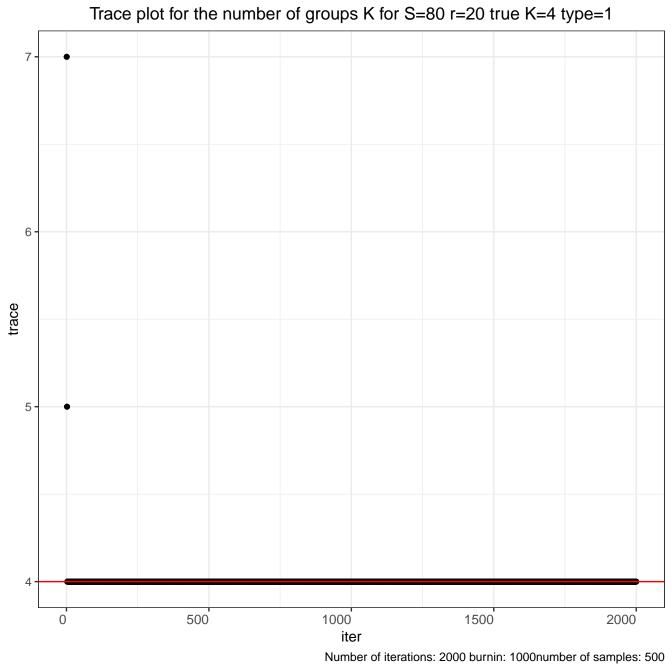


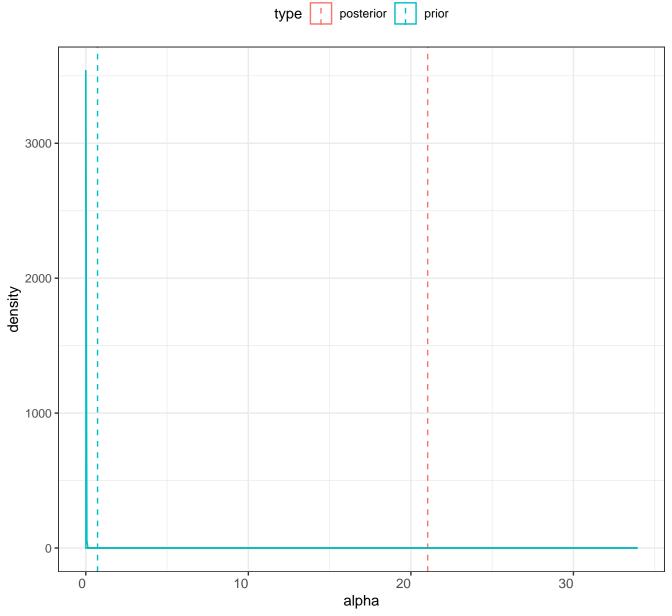


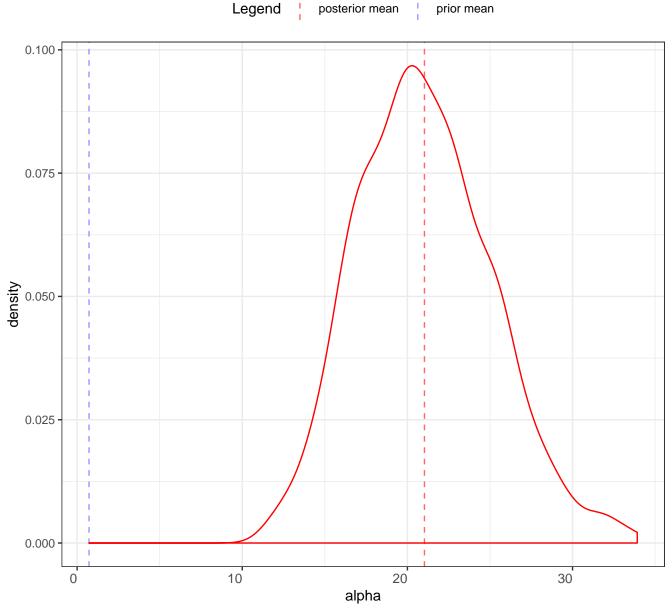


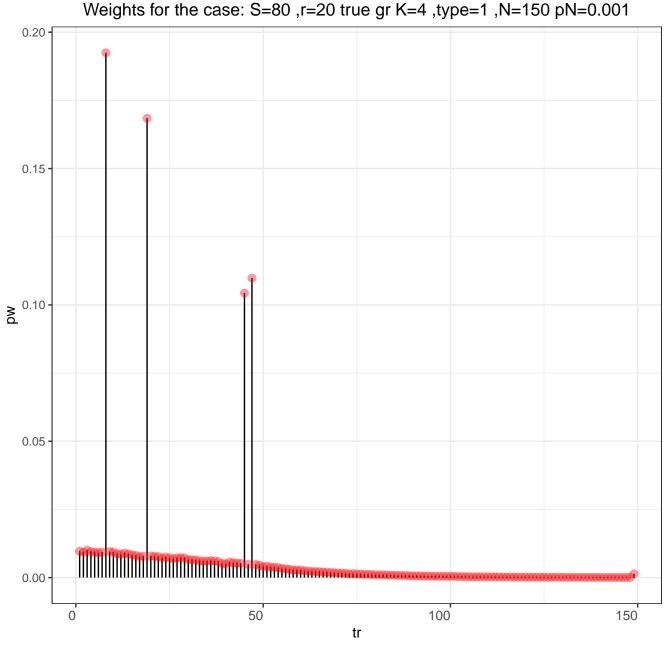
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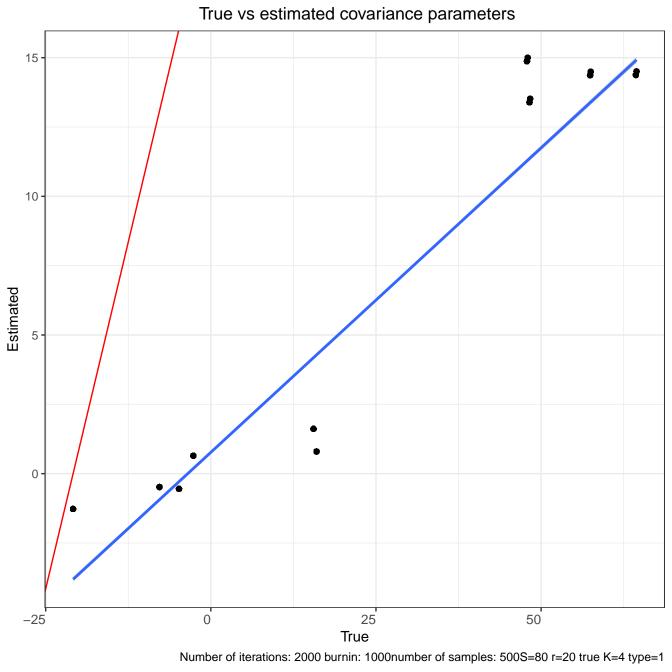


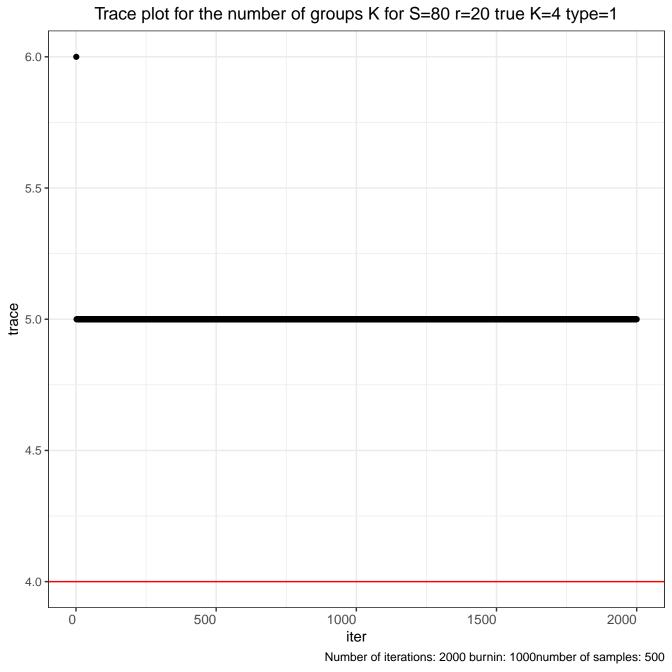


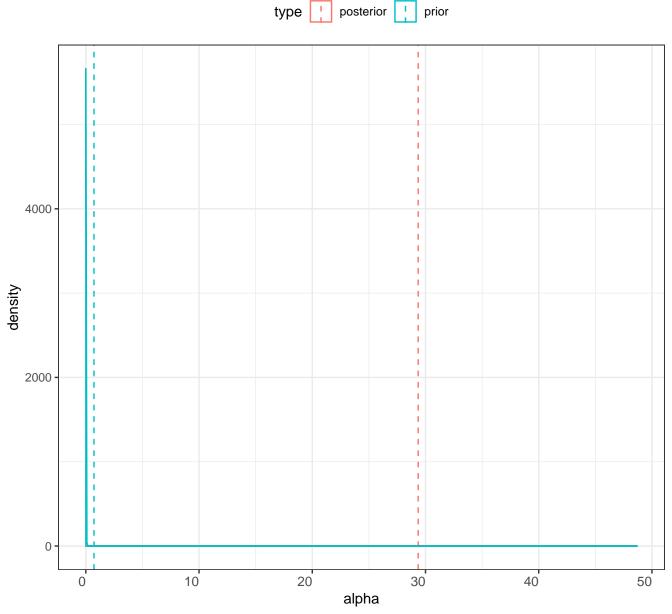


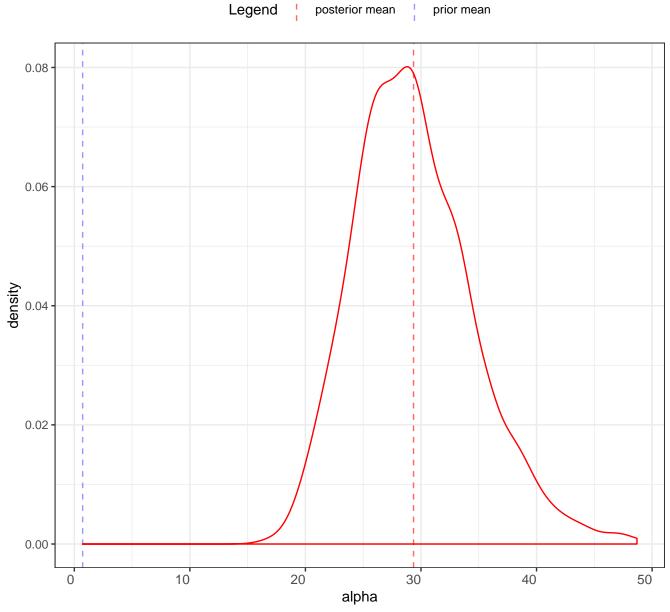


Number of iterations: 2000 burnin: 1000 number of samples: 500

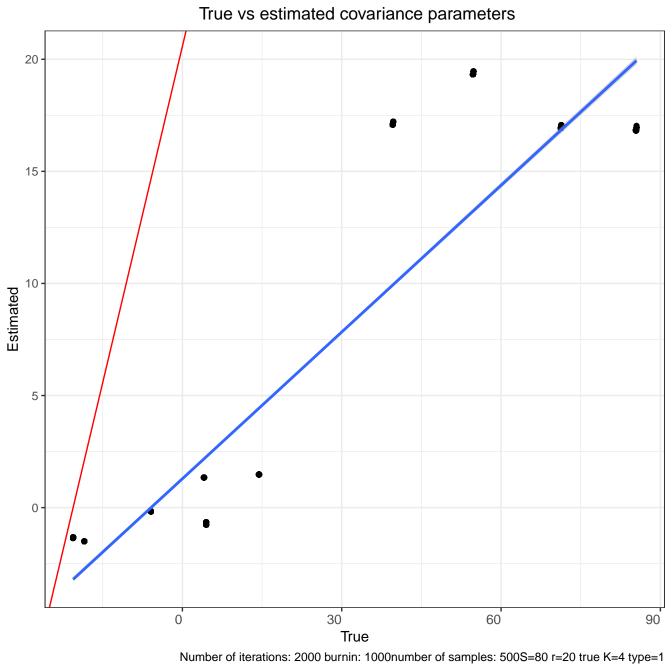




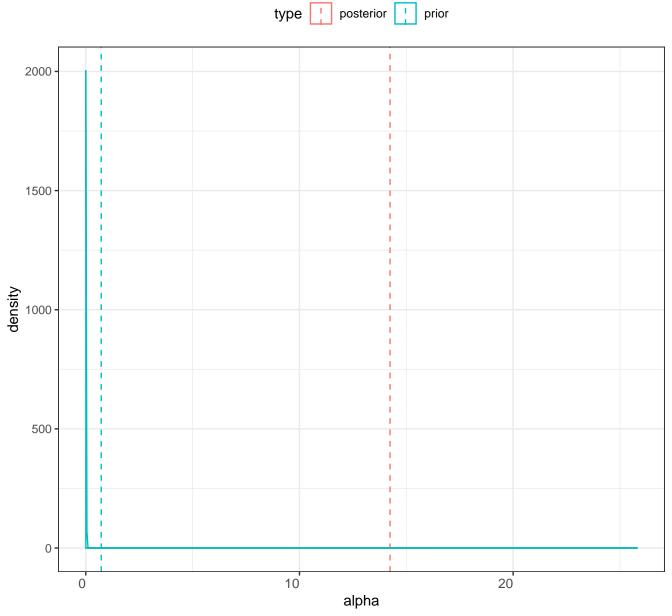


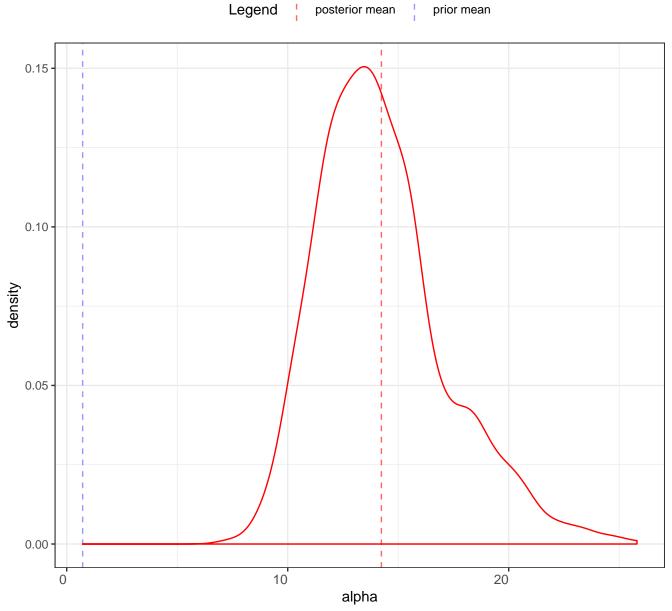


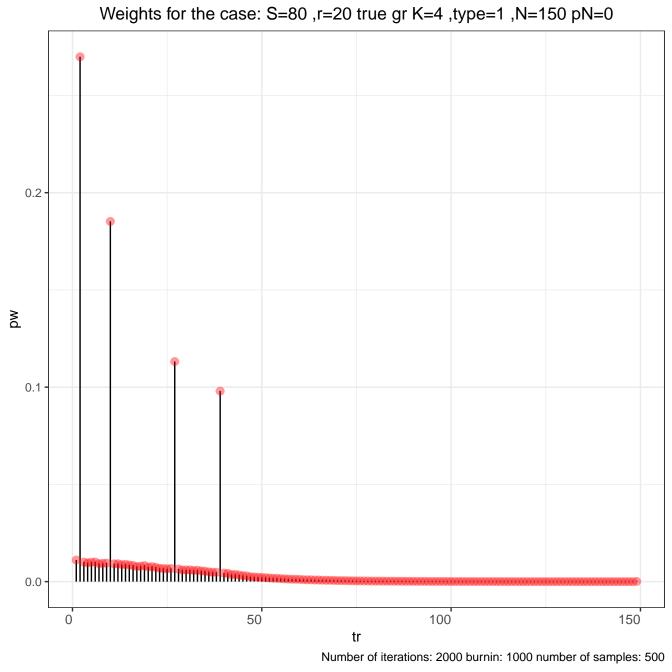
Weights for the case: S=80, r=20 true gr K=4, type=1, N=150 pN=0.008 0.20 -0.15 -0.05 -0.00 50 100 150 0 tr

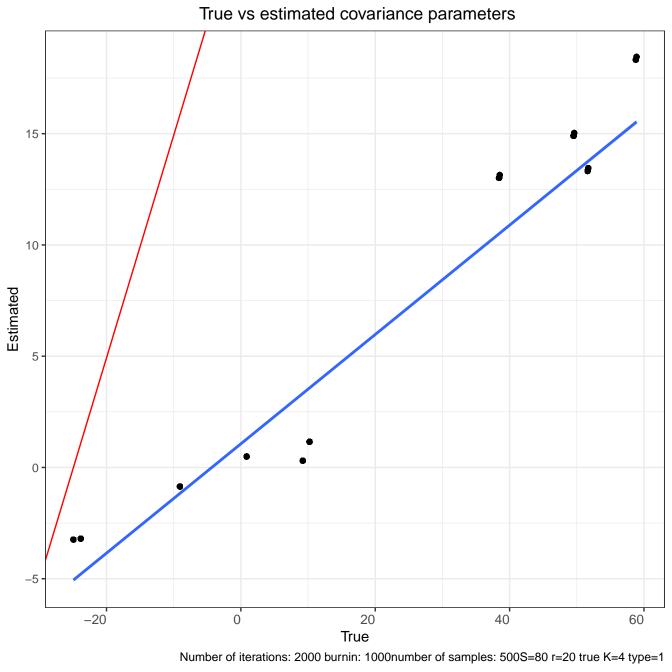


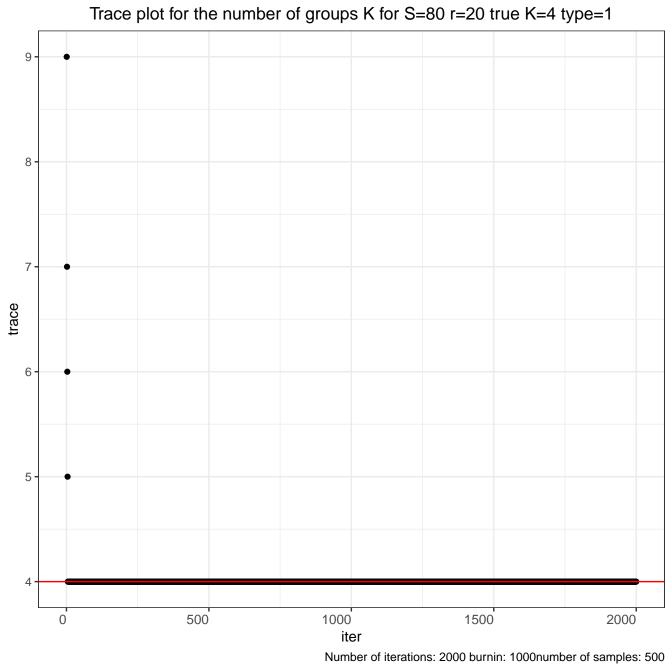
Trace plot for the number of groups K for S=80 r=20 true K=4 type=1 5.00 4.75 trace 4.50 4.25 4.00 1000 2000 500 1500 0 iter



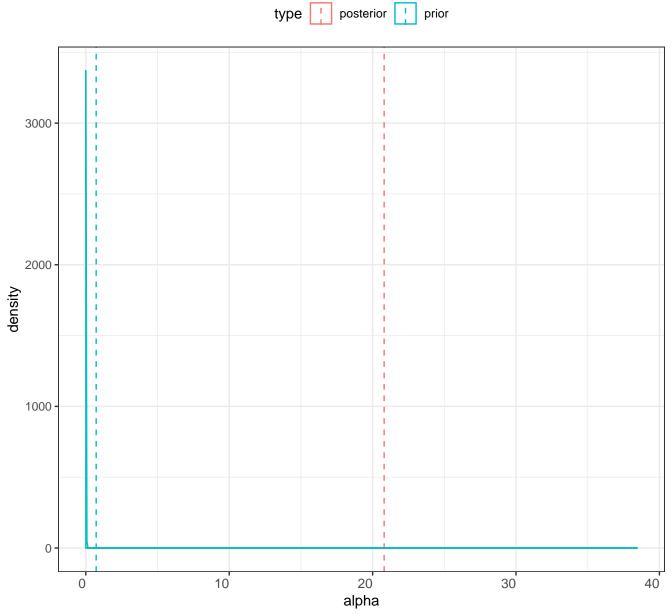


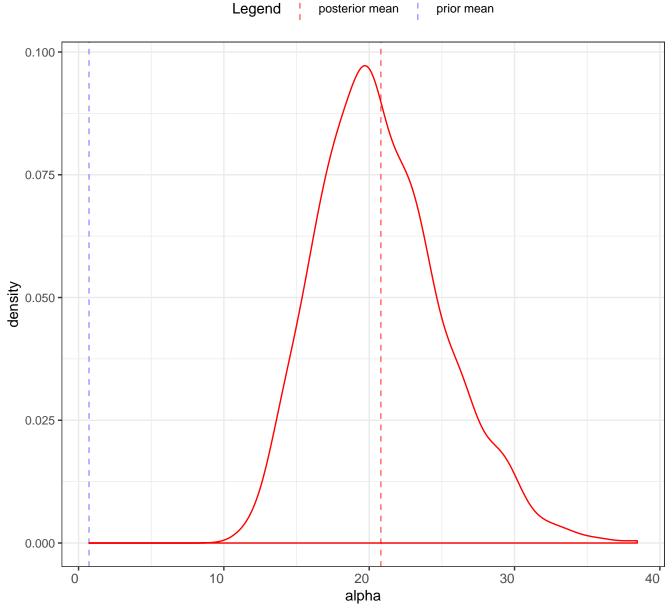




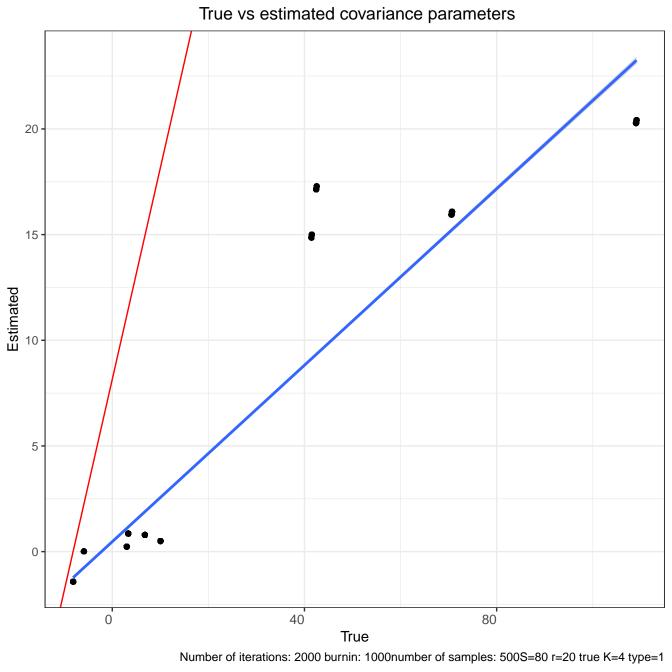


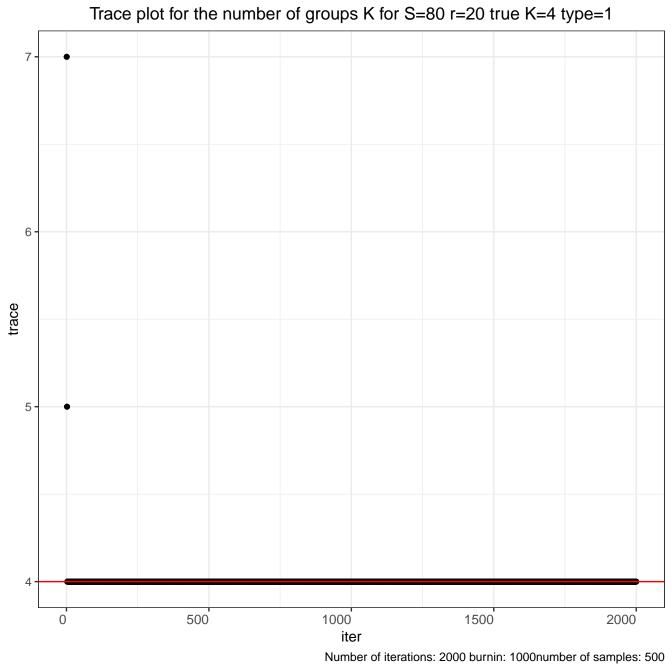
#### Distribution alpha: S=80 ,r=20 true gr K=4 ,type=1 ,N=150



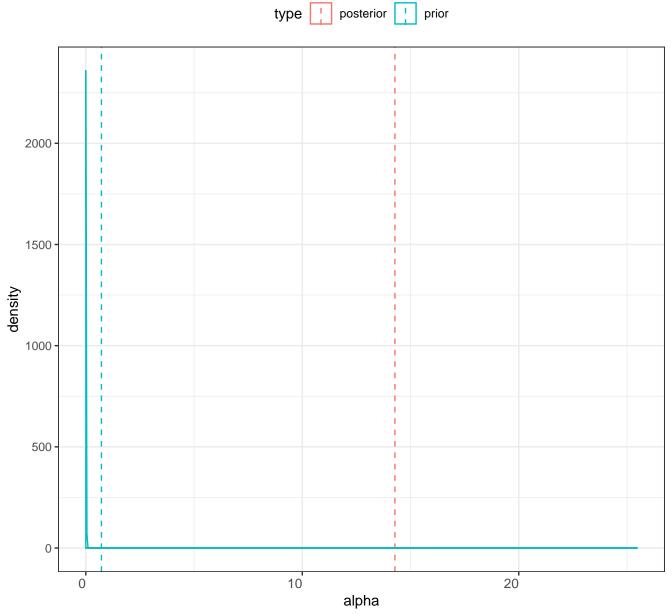


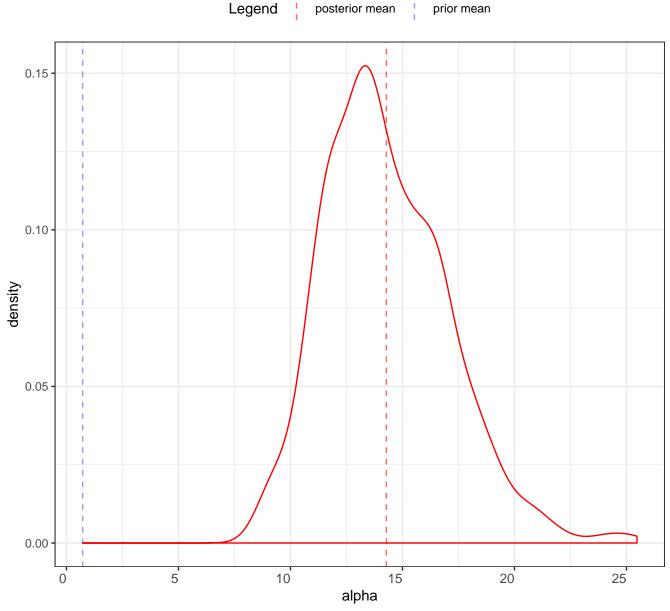
Weights for the case: S=80 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0.001 0.15 -0.05 -0.00 -50 100 150 0 tr



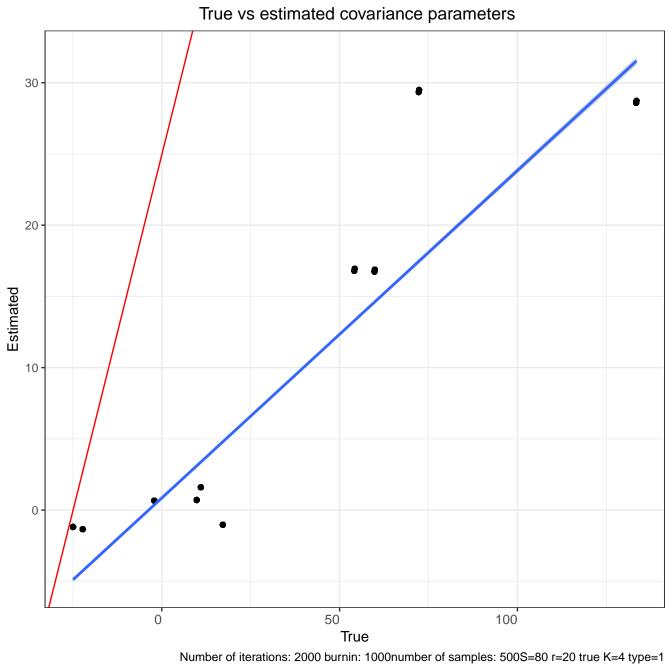


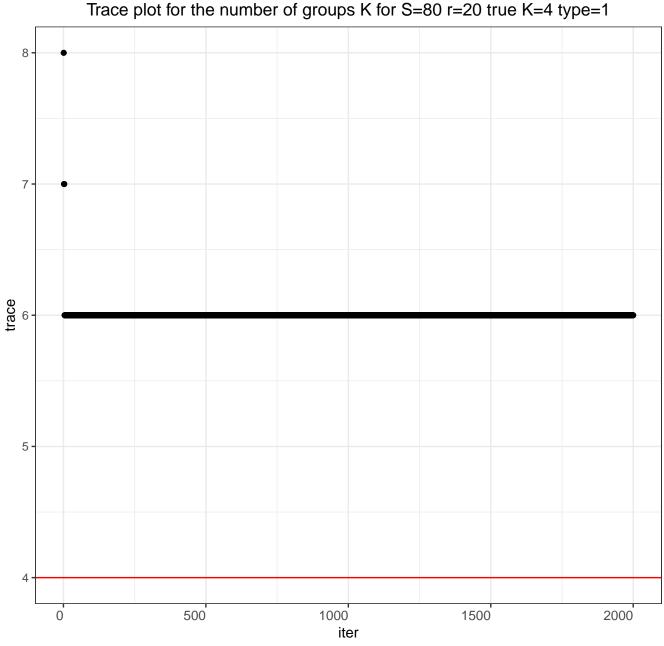
Distribution alpha: S=80 ,r=20 true gr K=4 ,type=1 ,N=150





Weights for the case: S=80 ,r=20 true gr K=4 ,type=1 ,N=150 pN=0 0.25 0.20 0.15 ă 0.10 0.05 -0.00 50 100 150 0 tr





Distribution alpha: S=80 ,r=20 true gr K=4 ,type=1 ,N=150

