Trace plot for the number of groups K for S=100 r=20 true K=8 type=3 12 11 trace 9 -8 1000 3000 4000 5000 2000 iter

Number of iterations: 5000 burnin: 2000number of samples: 500

Weights for the case: S=100 ,r=20 true gr K=8 ,type=3 ,N=77 pN=0.114 0.15 -0.10 -0.05 -0.00 -20 60 40 tr

Number of iterations: 5000 burnin: 2000 number of samples: 500  $\,$ 

