Trace plot for the number of groups K for S=50 r=5 true K=4 type=0 15 **-**12 trace 9 -1000 3000 4000 5000 2000 iter

Number of iterations: 5000 burnin: 1000number of samples: 500

Weights for the case: S=50 ,r=5 true gr K=4 ,type=0 ,N=50 pN=0.14 0.10 -0.05 -0.00 10 20 30 40 50 tr

Number of iterations: 5000 burnin: 1000 number of samples: 500