Trace plot for the number of groups K for S=80 r=5 true K=4 type=3 12 10 -6 -1000 3000 4000 5000 2000 iter

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

Weights for the case: S=80, r=5 true gr K=4, type=3, N=77 pN=0.124 0.3 0.2 0.1 0.0 20 40 60 tr

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