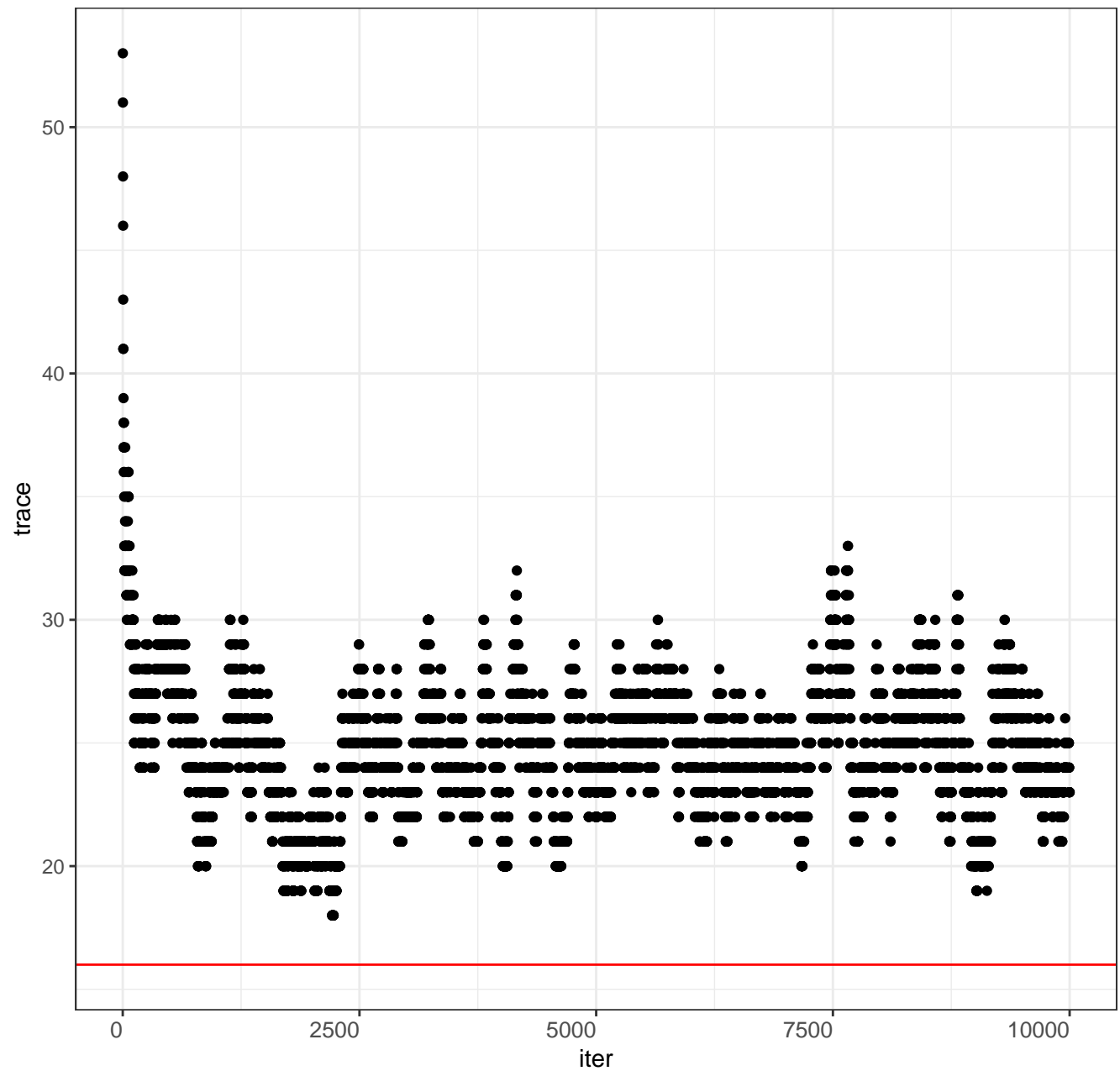
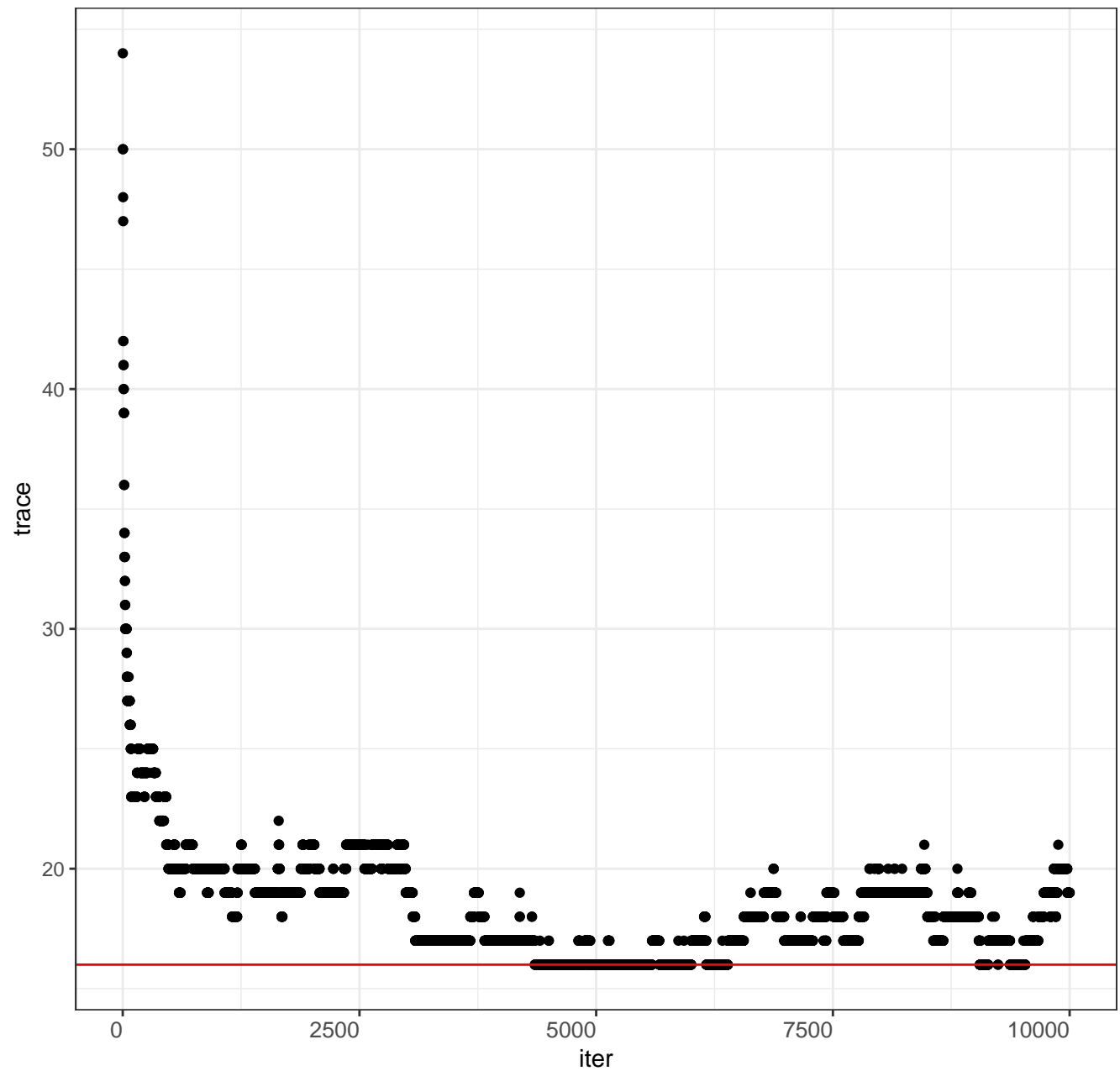


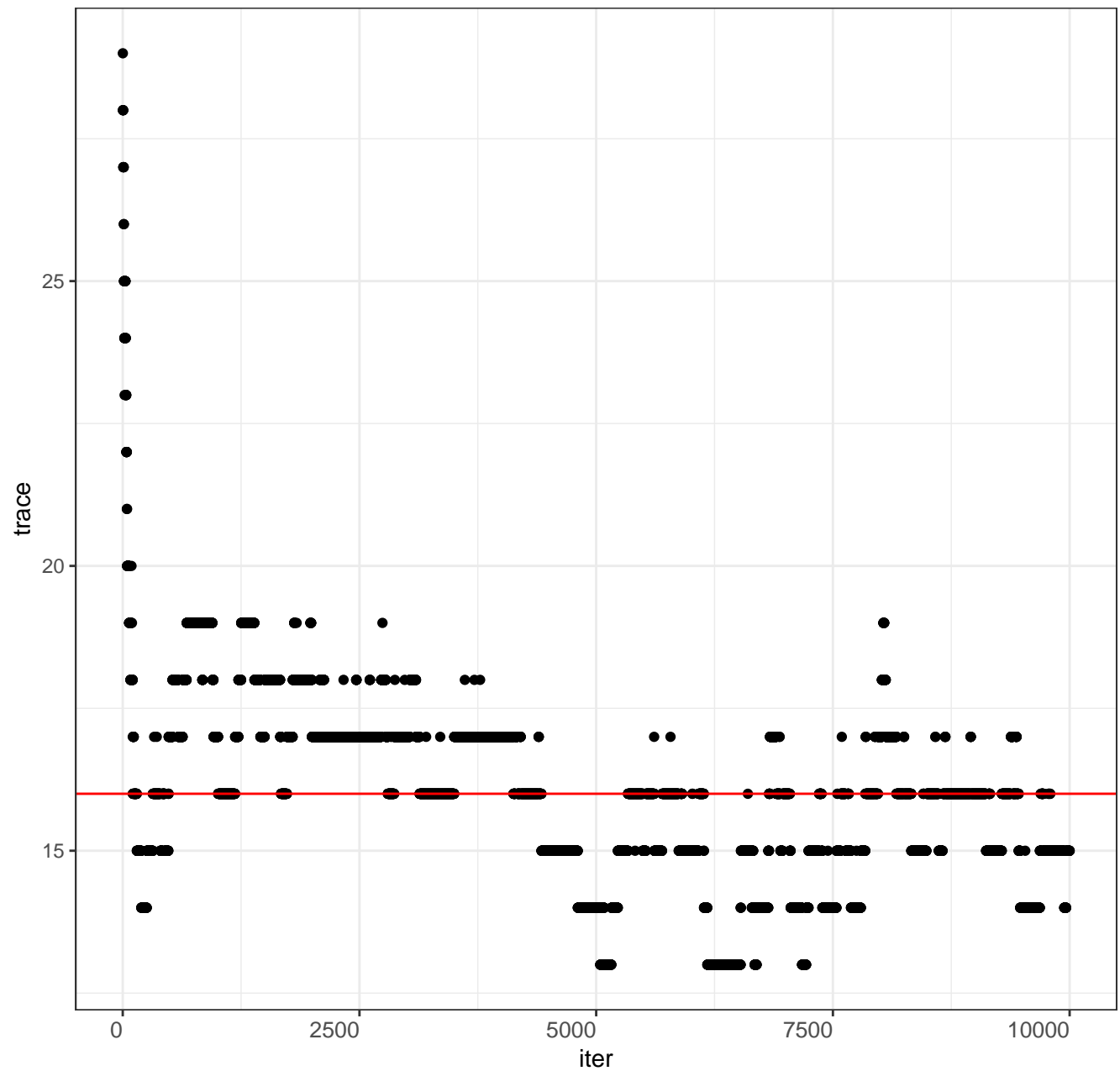
Trace plot for the number of groups



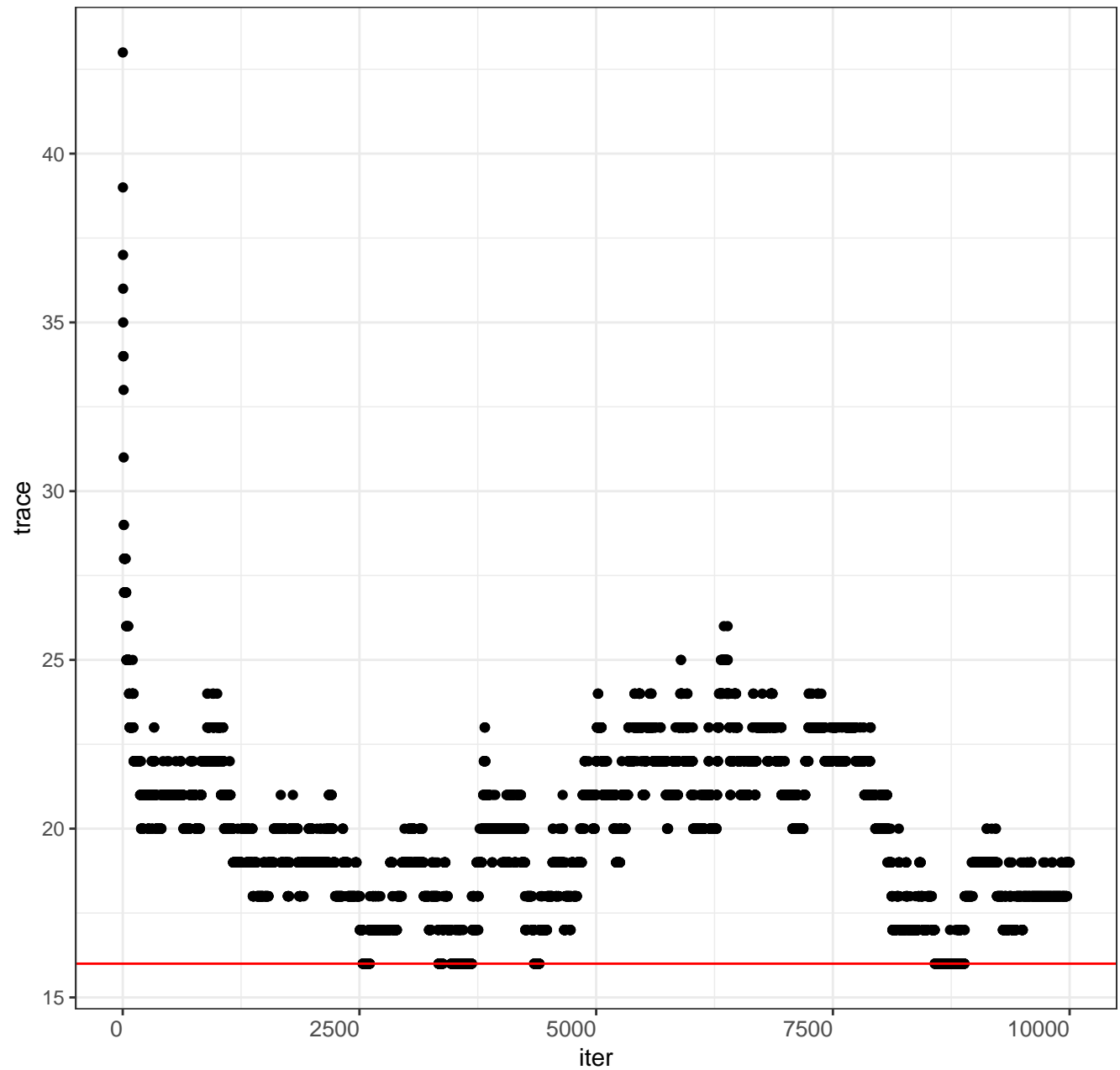
Trace plot for the number of groups

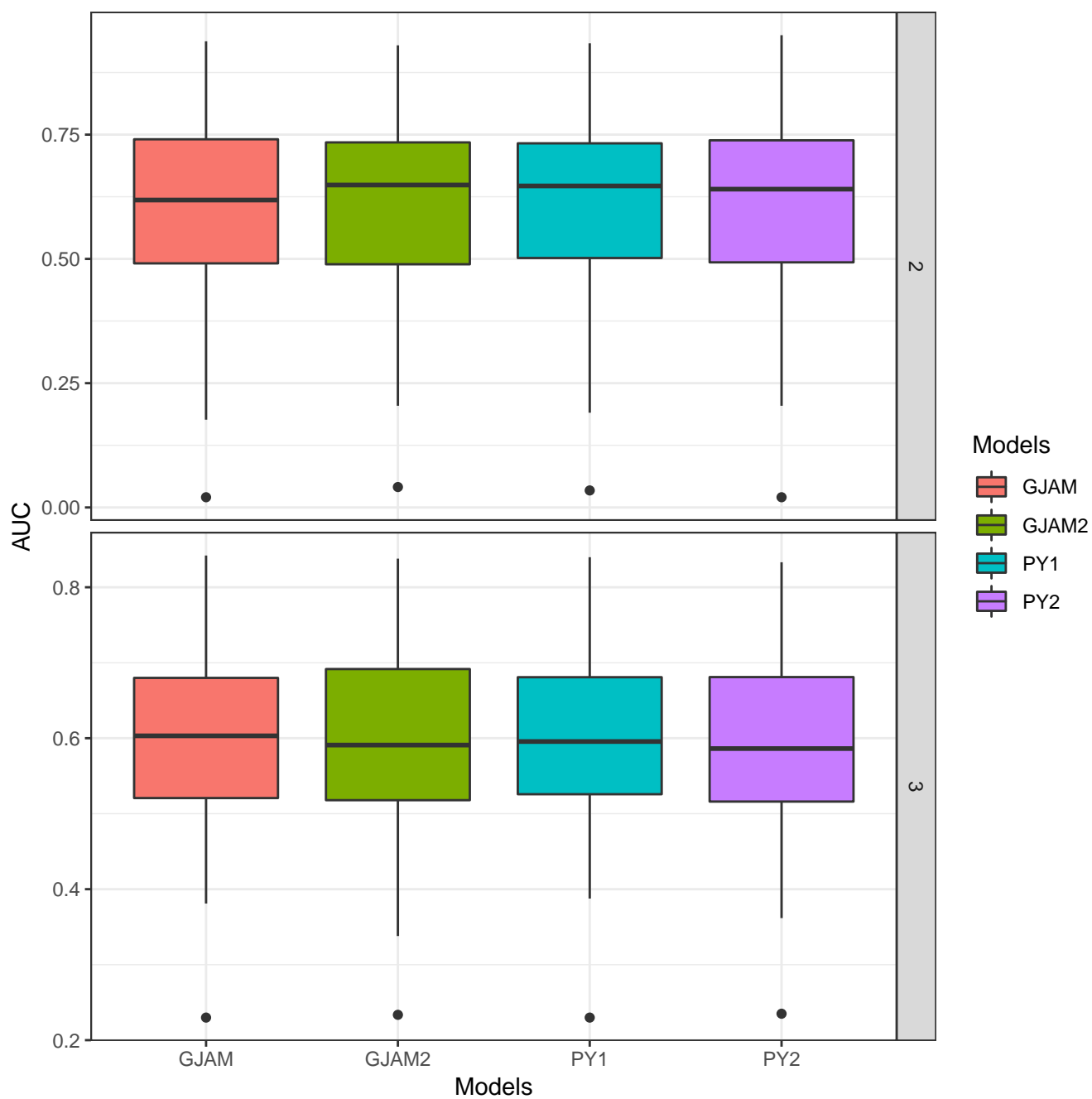


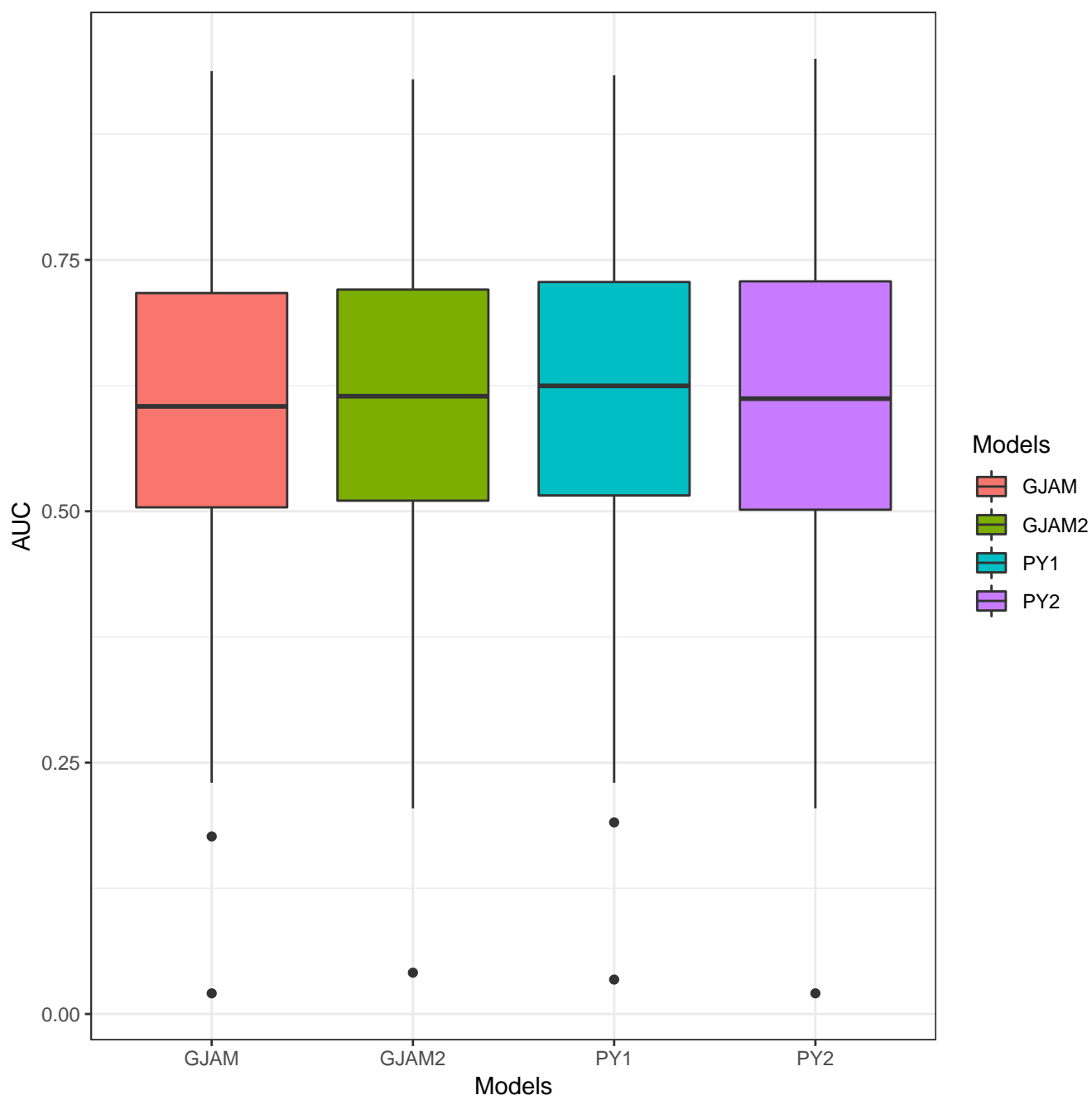
Trace plot for the number of groups



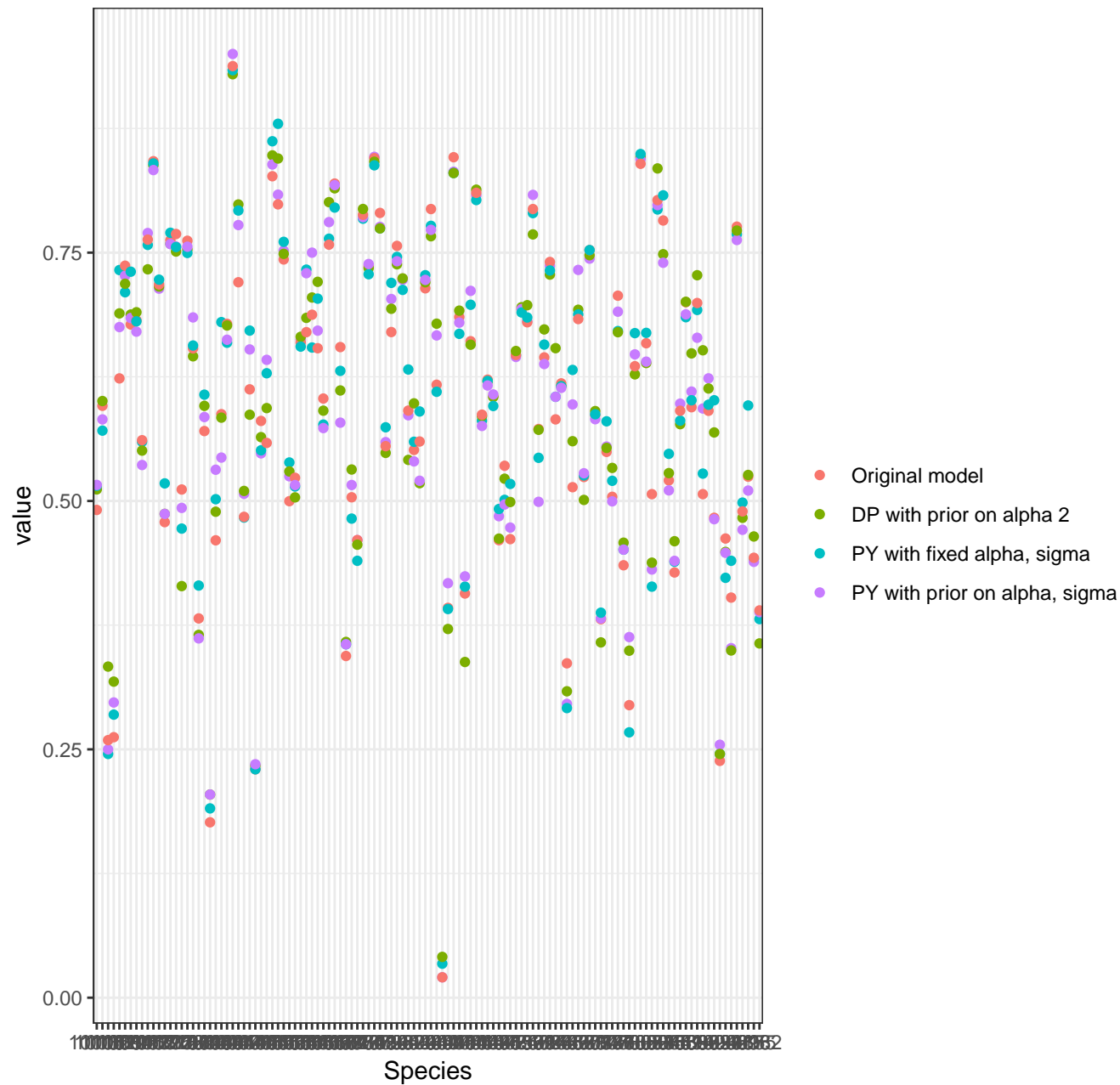
Trace plot for the number of groups

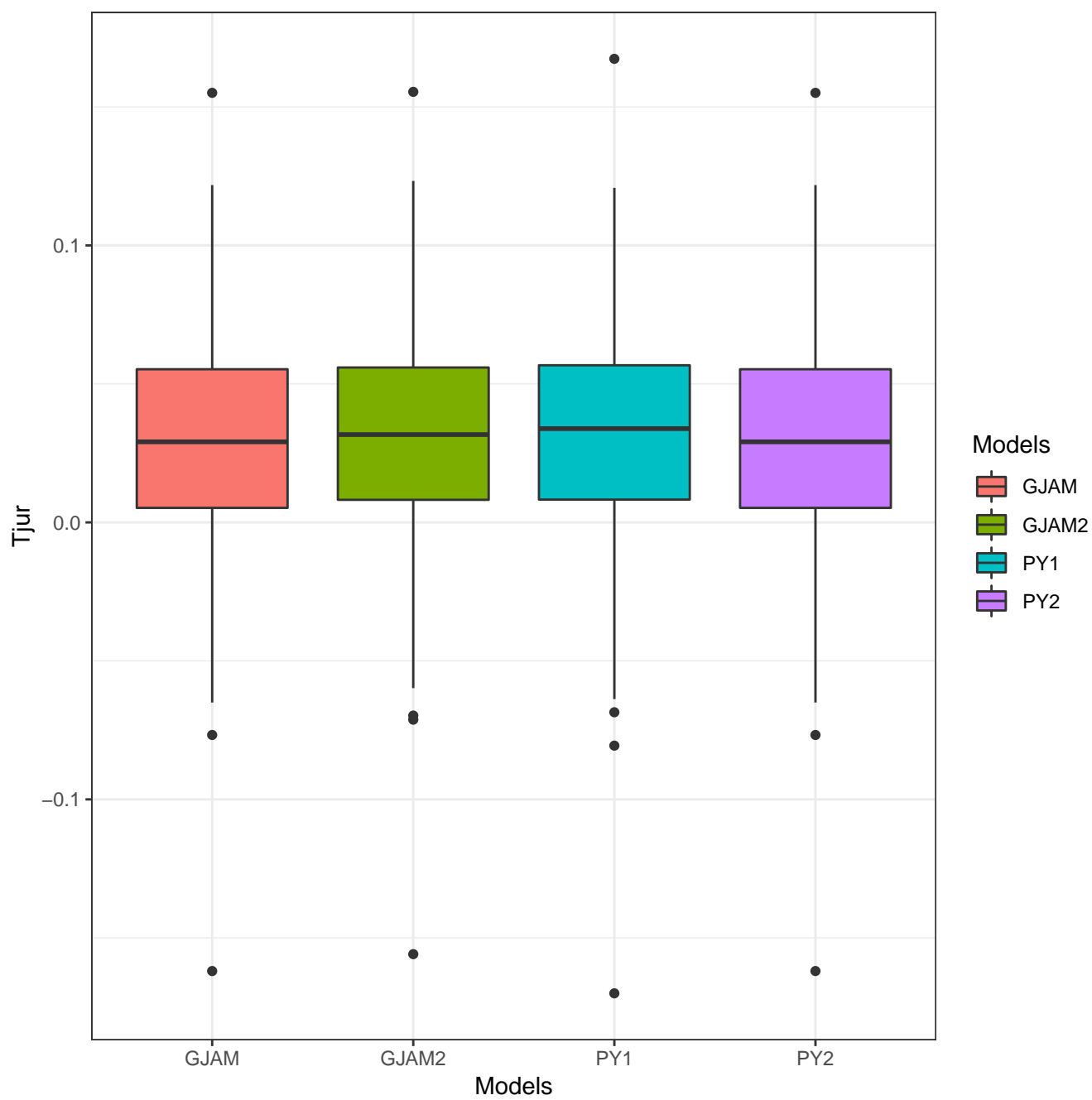






Traceplots of the posterior of the number of clusters





Posterior distribution for alpha

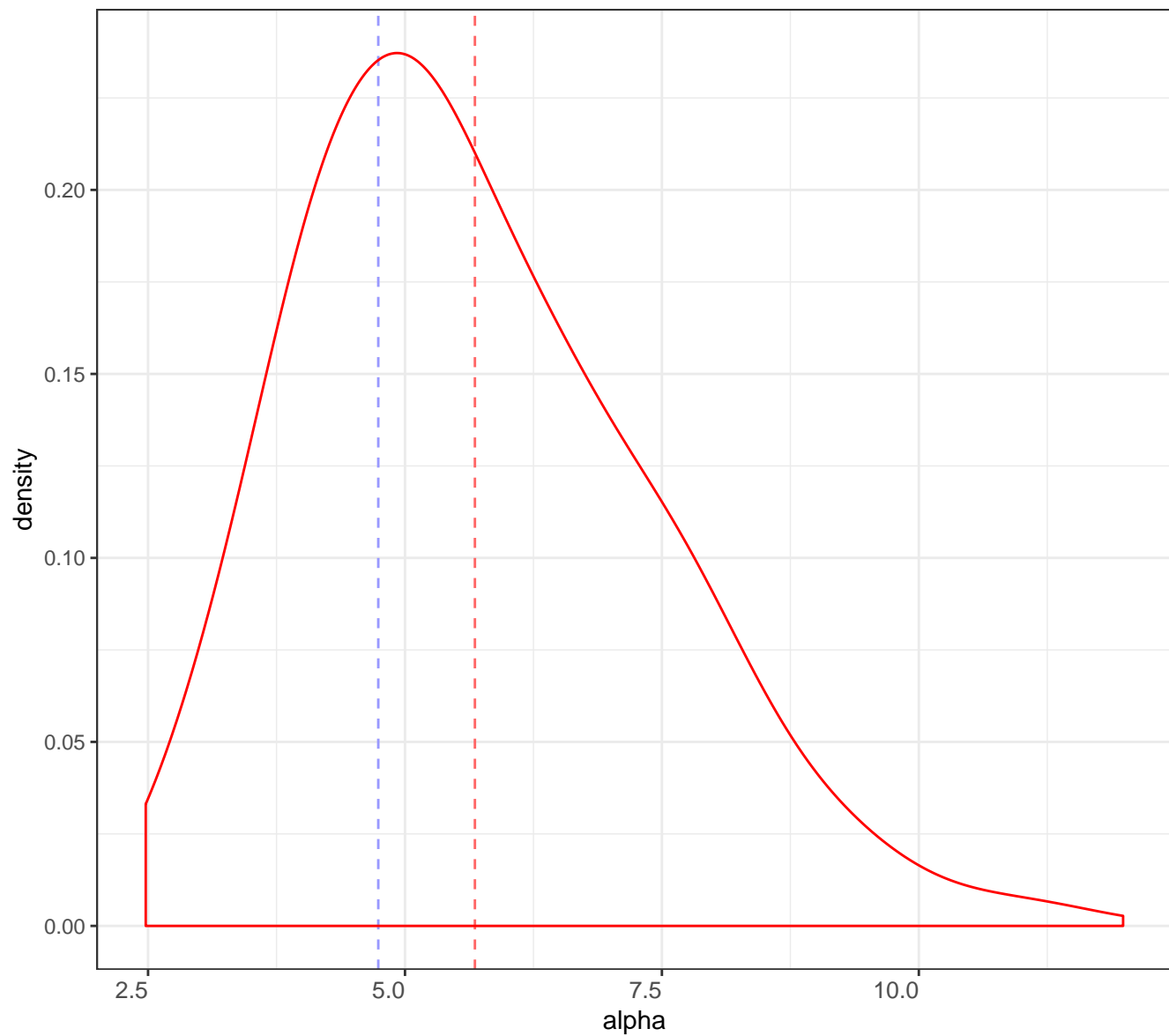
Legend



posterior mean



prior mean

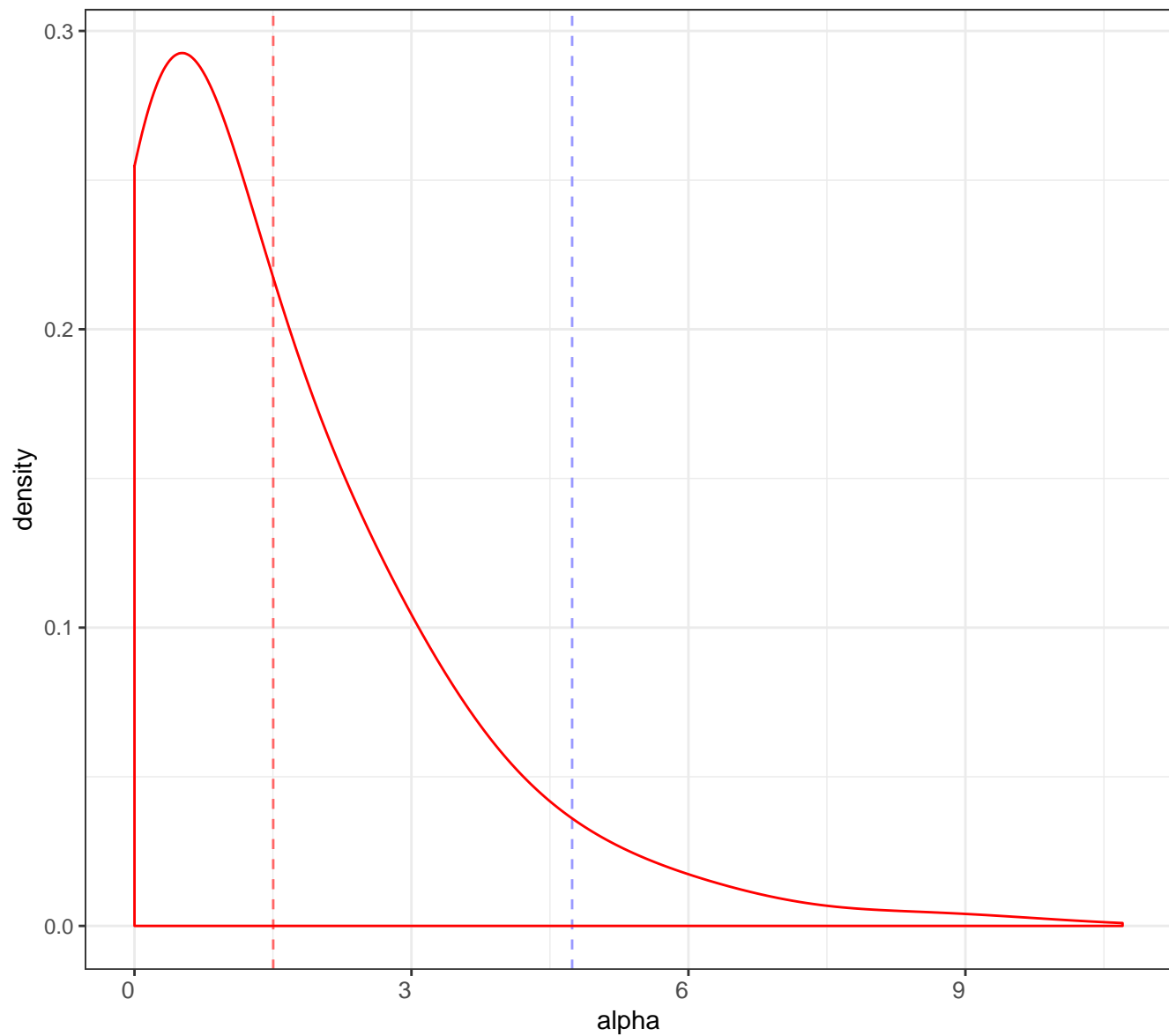


Posterior distribution for alpha

Legend

posterior mean

prior mean



Posterior distribution for sigma

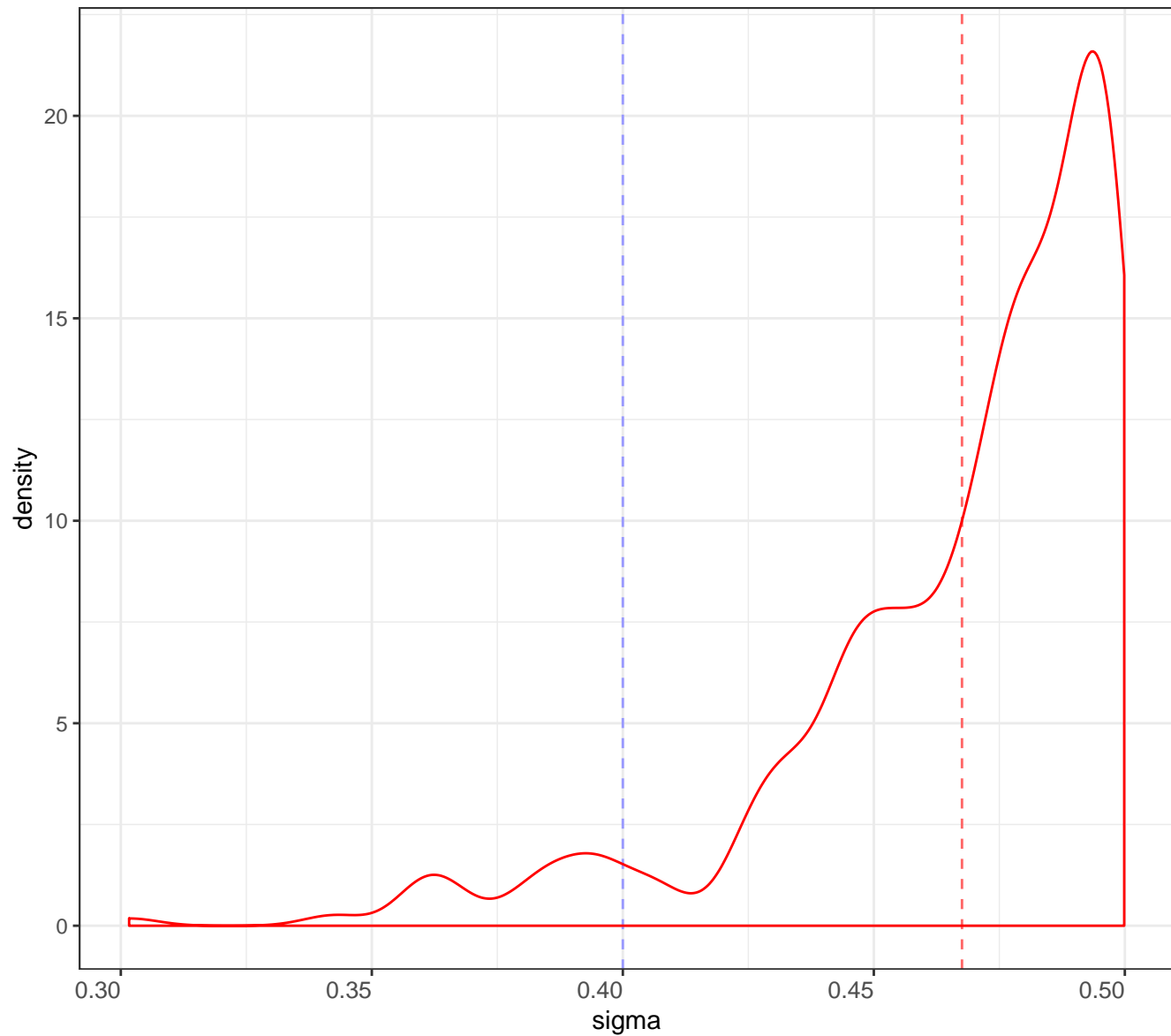
Legend



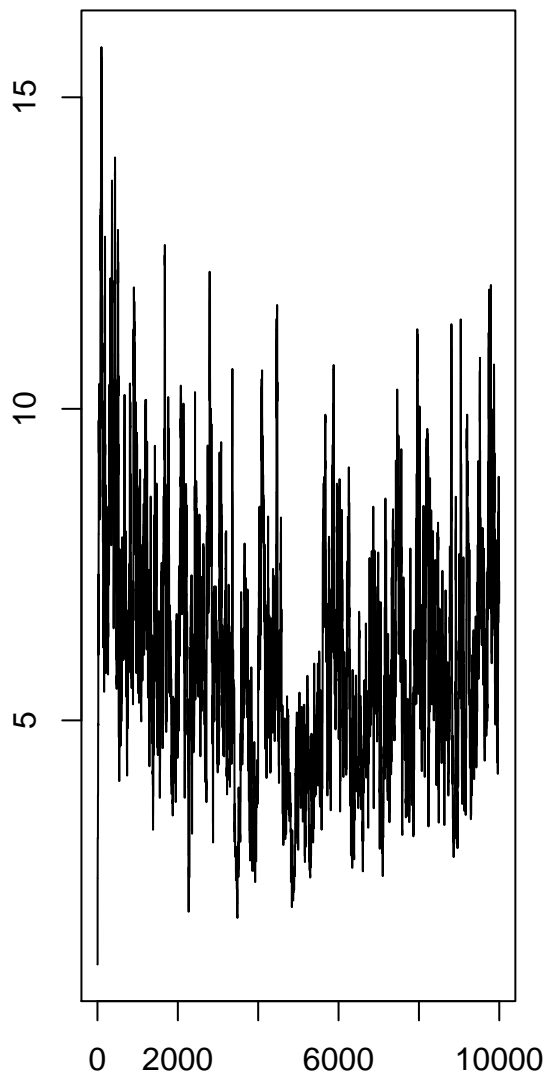
posterior mean



prior mean

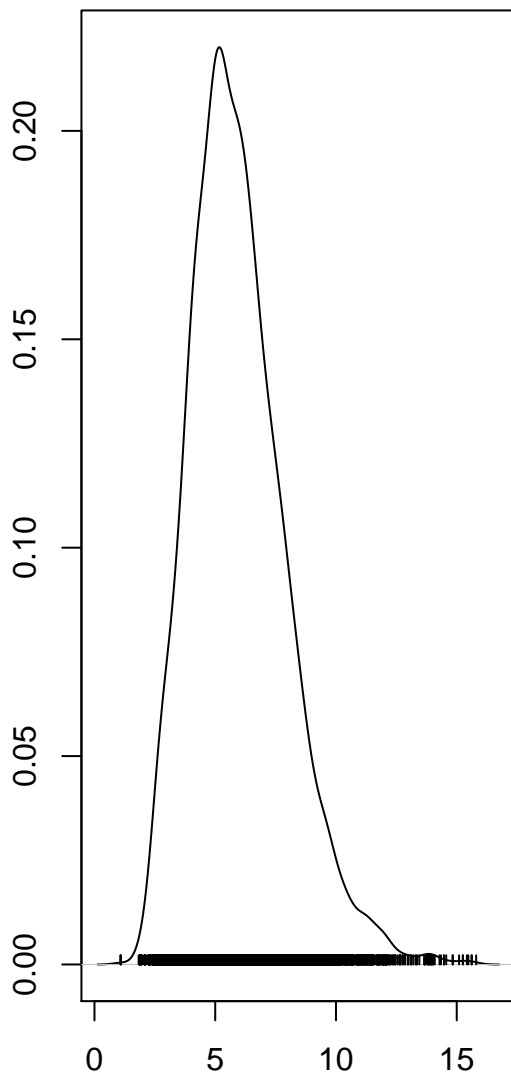


alpha DP

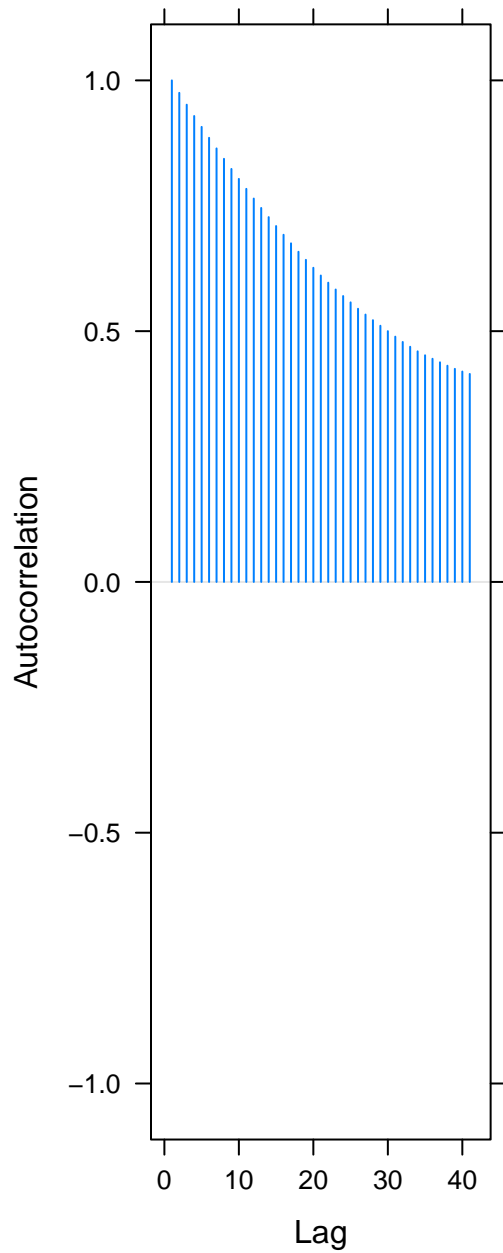


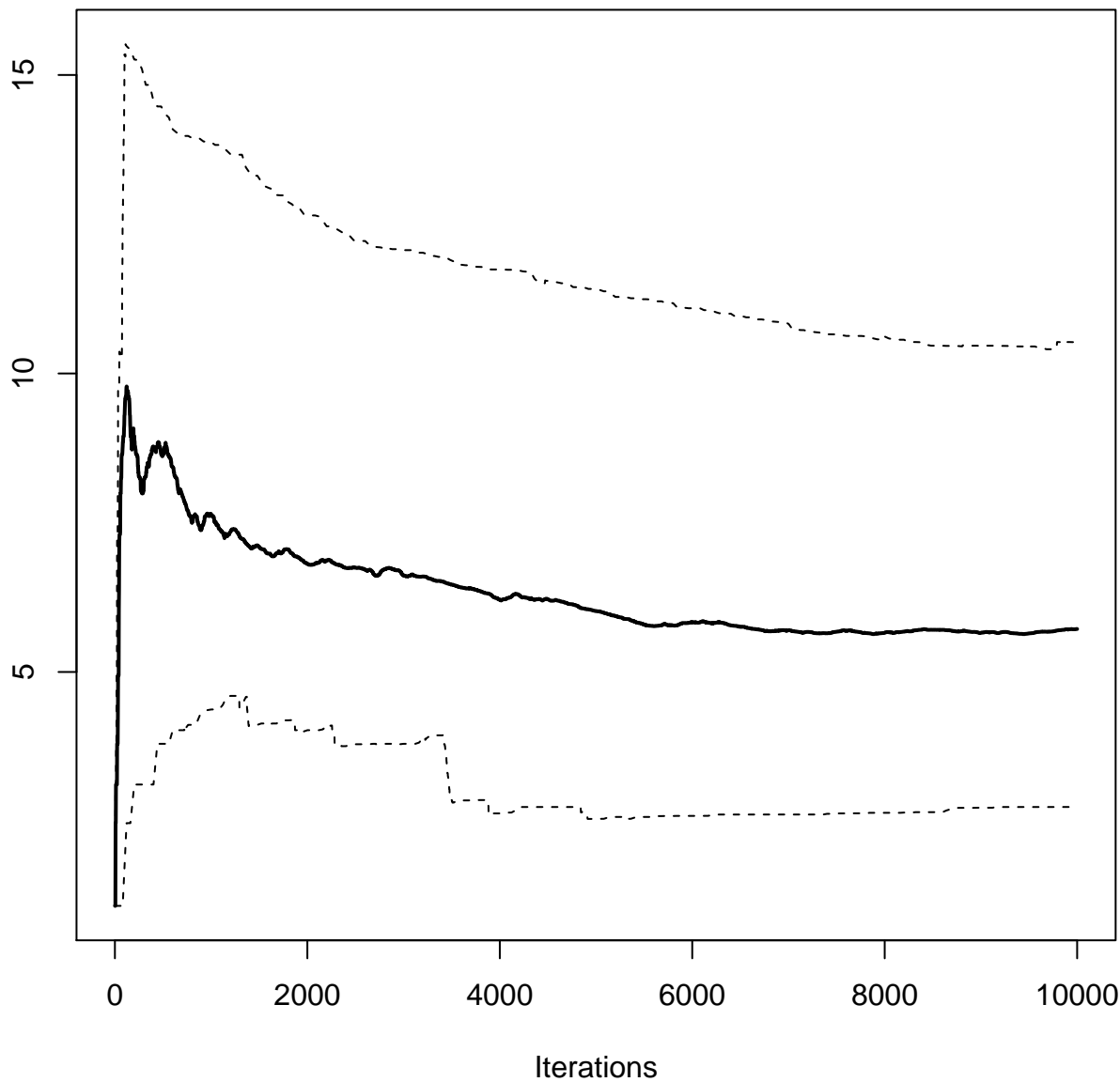
Iterations

alpha DP

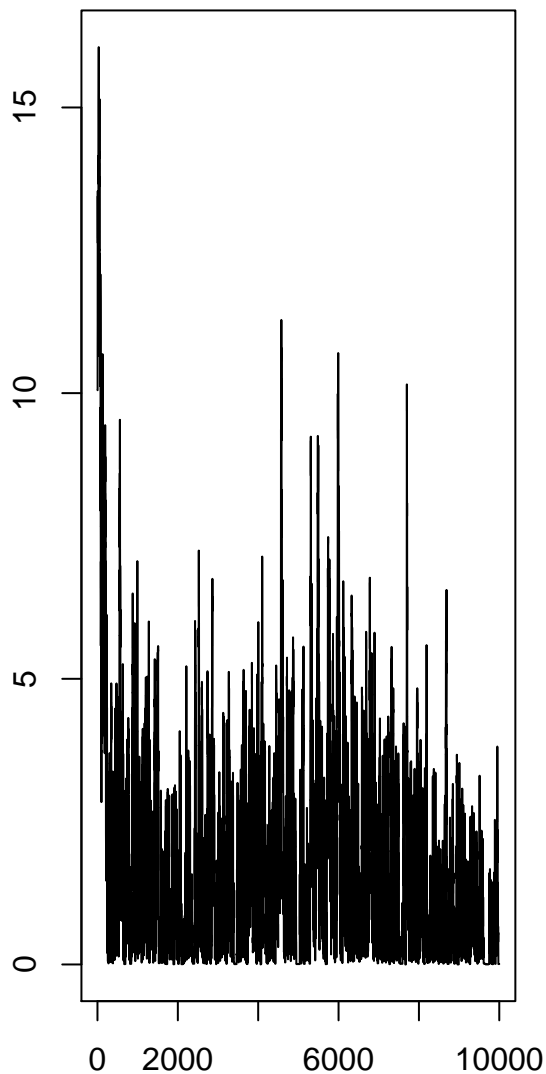


N = 10000 Bandwidth = 0.3191



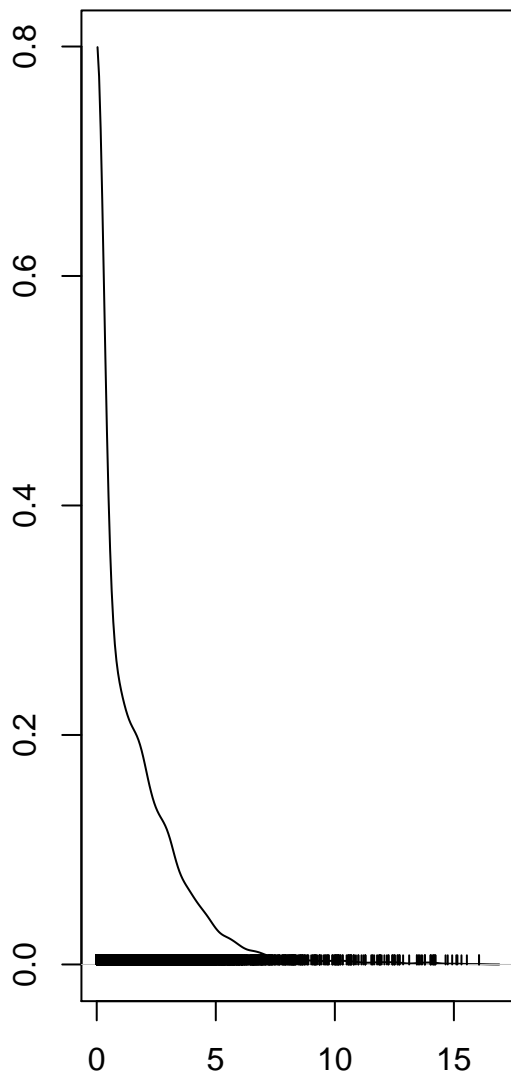


alpha PY

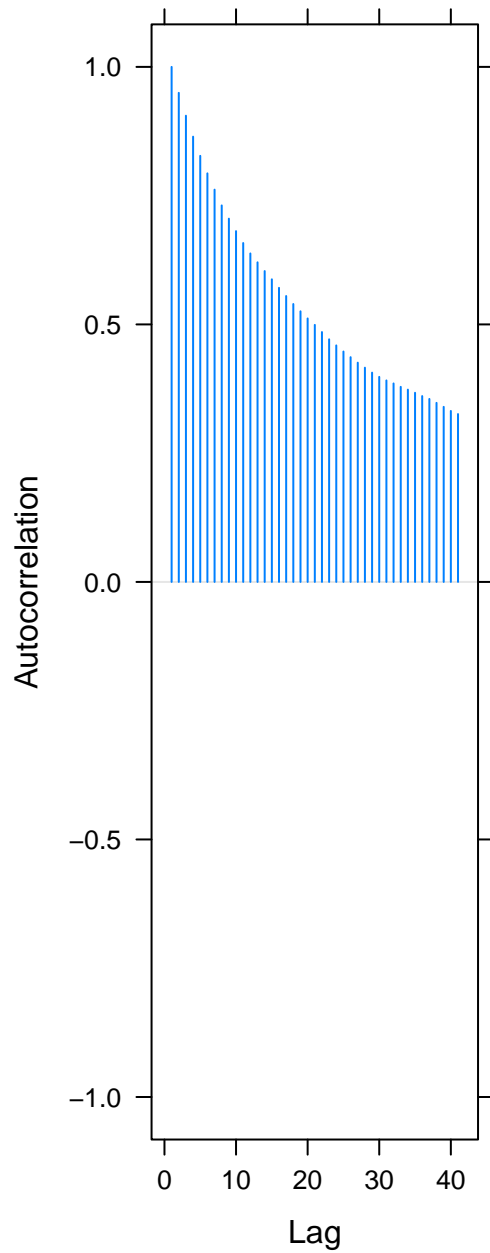


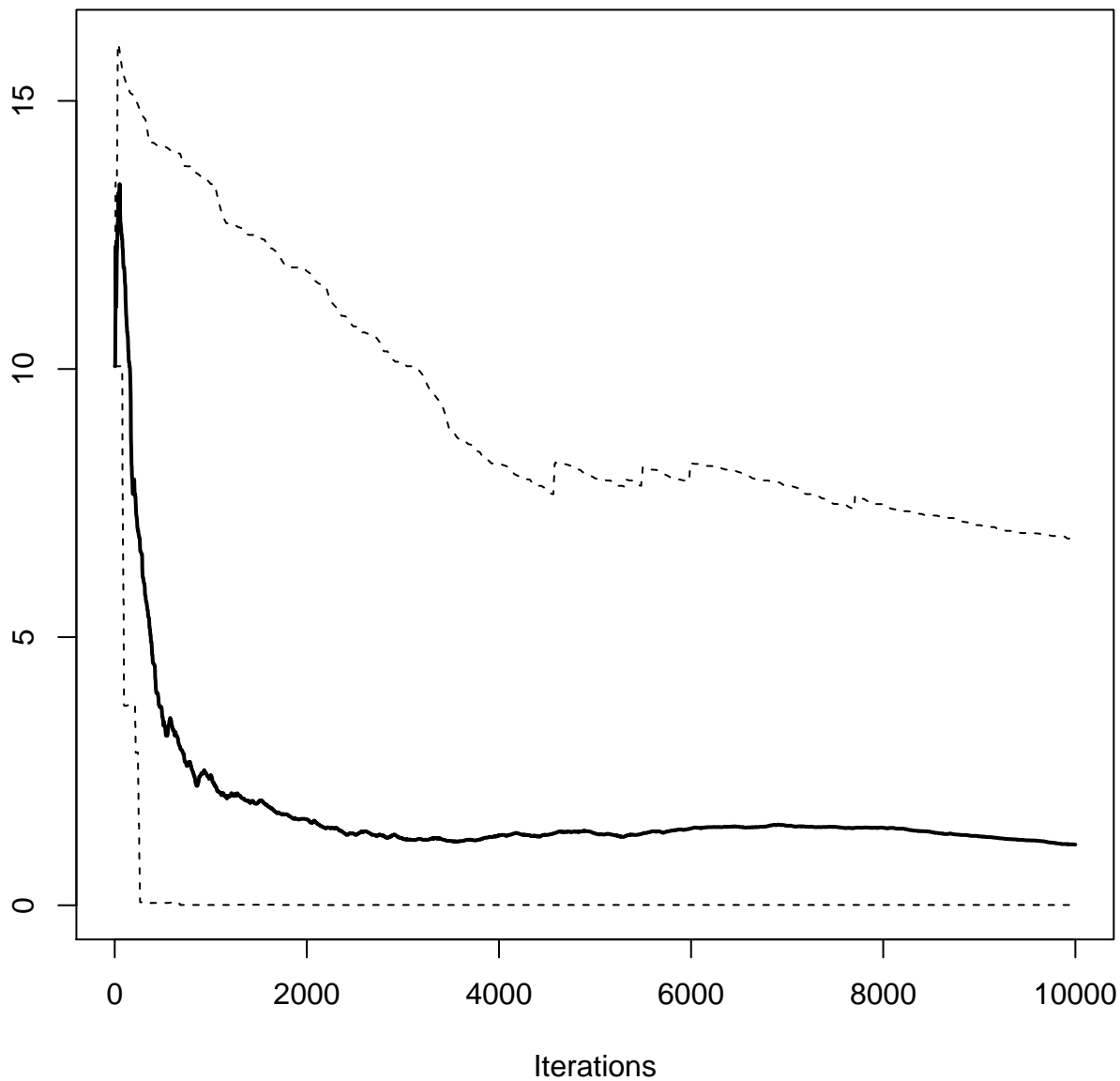
Iterations

alpha PY

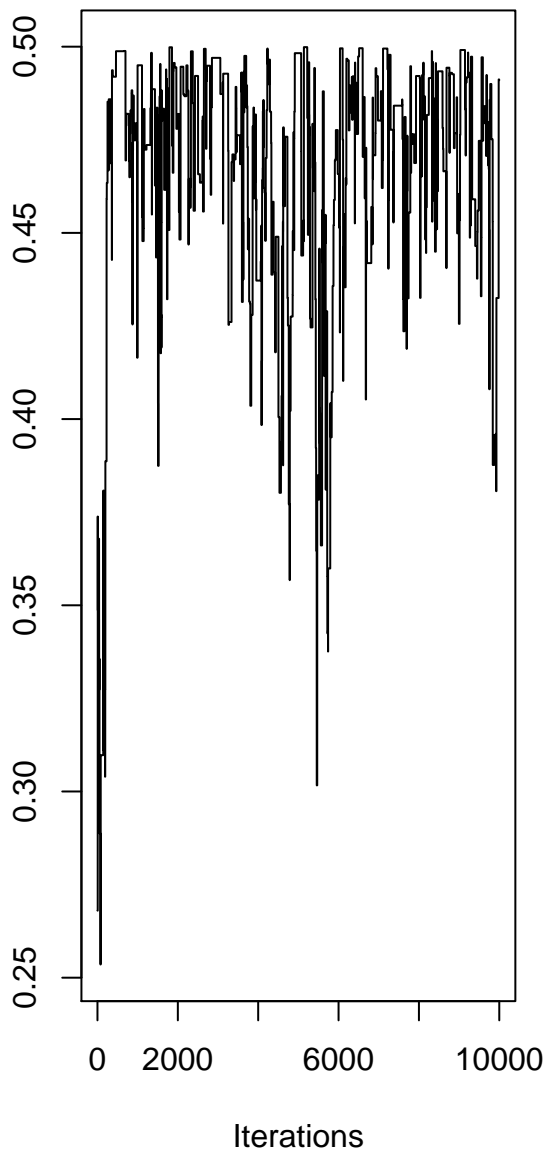


N = 10000 Bandwidth = 0.2833

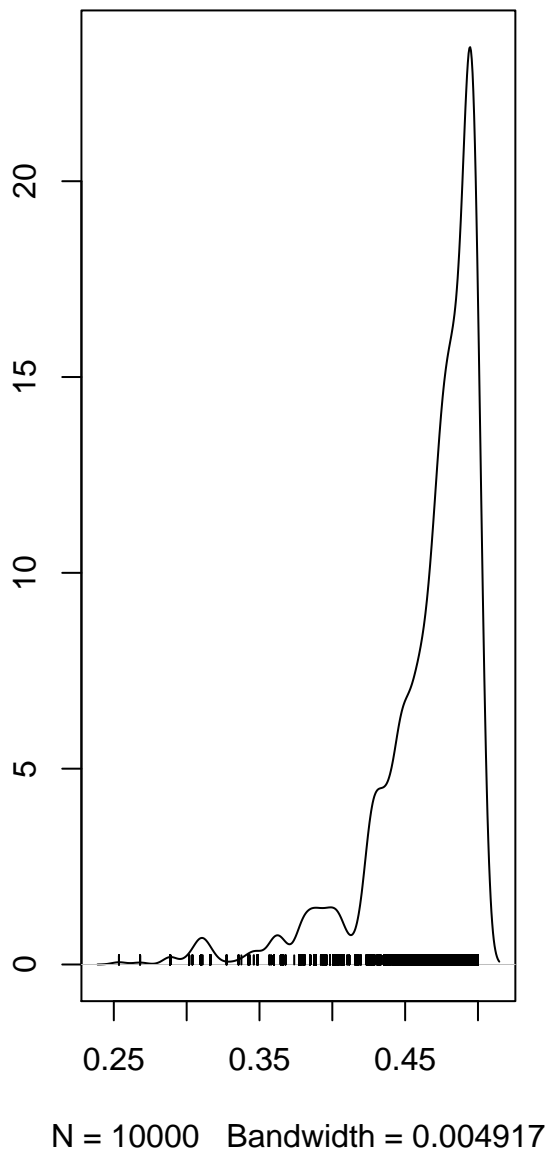


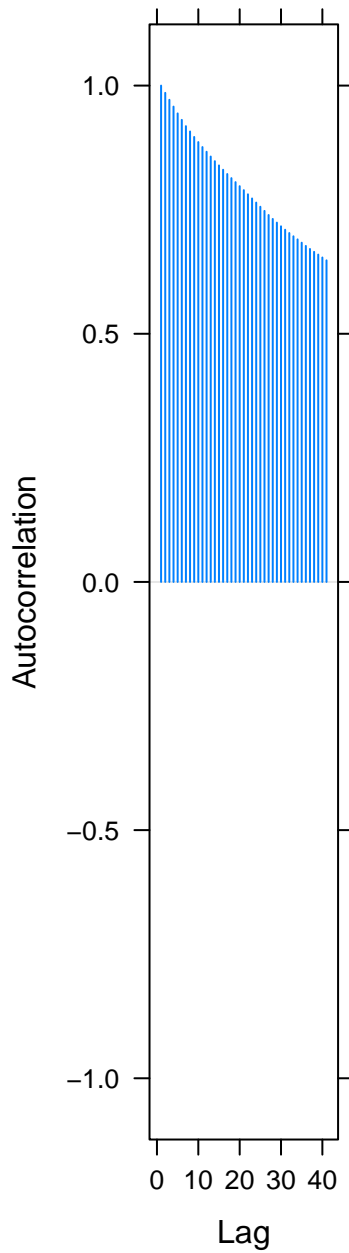


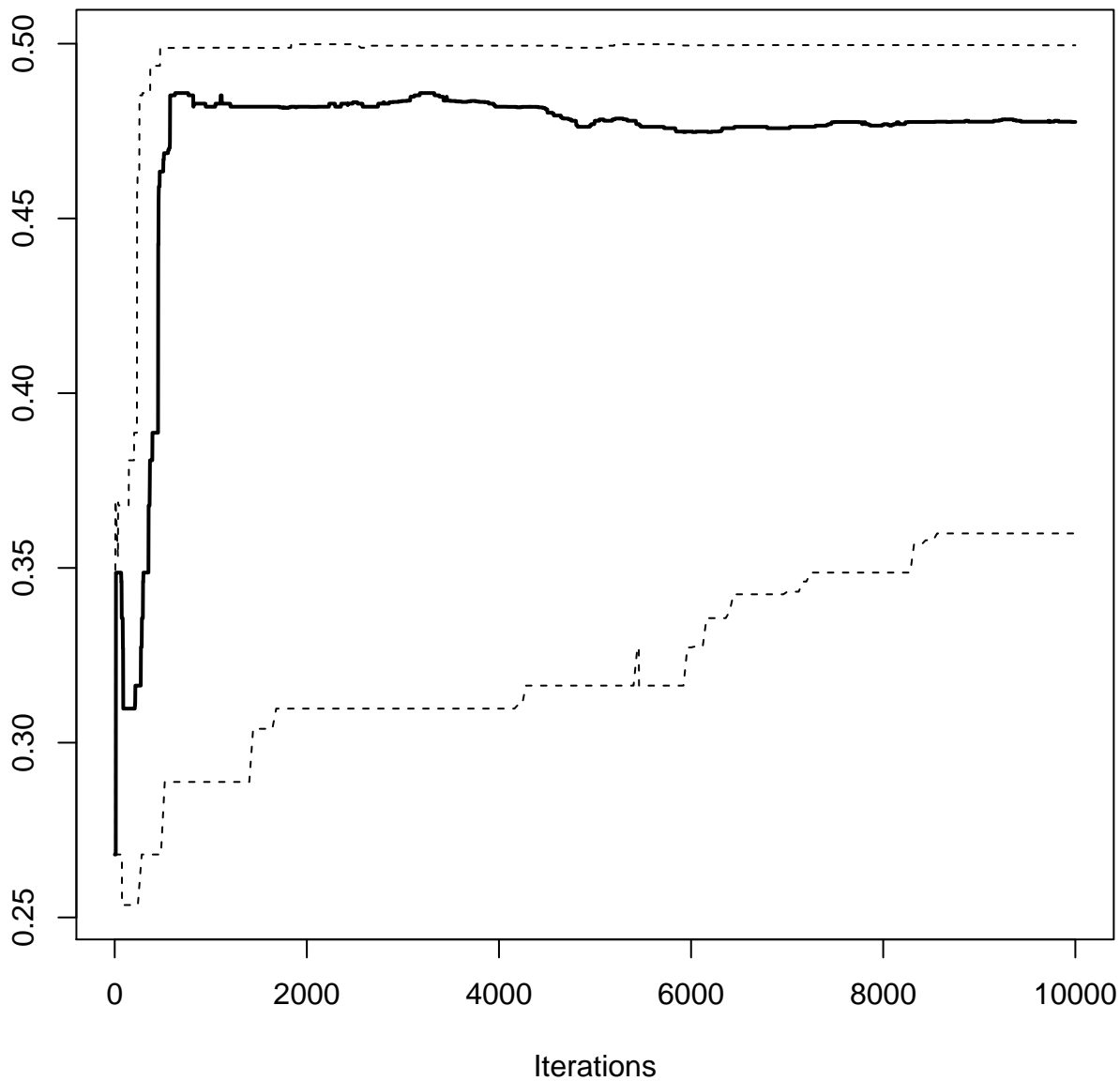
discount PY



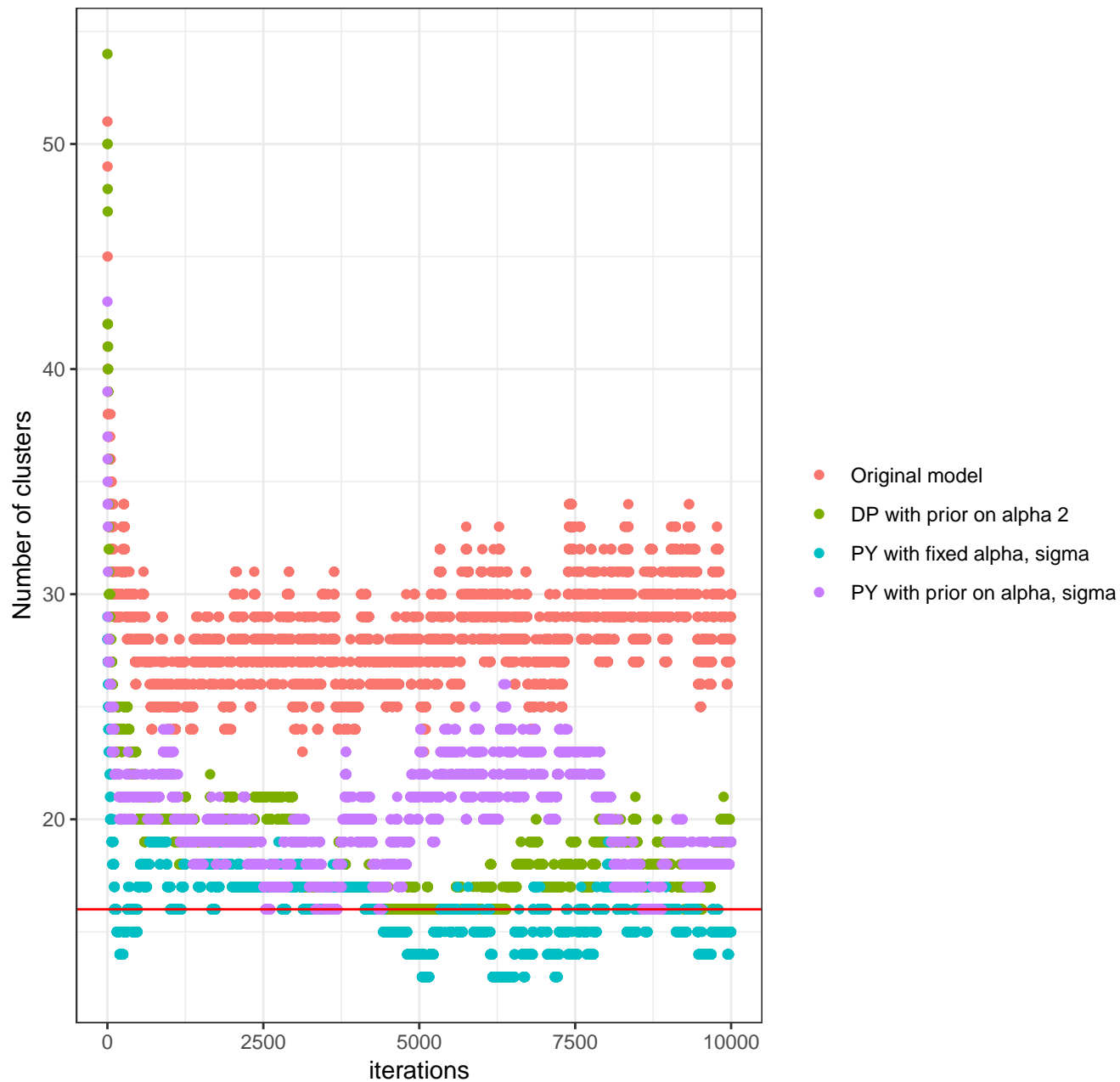
discount PY







Traceplots of the posterior of the number of clusters



	Parameter	GJAM	GJAM2	PY1	PY2	r	iter	burn
1	DIC	9.033	9.199	9.032	8.999	5	10000	5000
2	mean AUC	0.595	0.601	0.605	0.599	5	10000	5000
3	mean Tjur	0.029	0.031	0.032	0.029	5	10000	5000
4	mean p_N	0.000	0.000	0.013	0.013	5	10000	5000
5	VI dist	4.039	3.682	3.746	3.634	5	10000	5000
6	AR dist	0.047	0.080	0.074	0.079	5	10000	5000
7	mean K	28.626	17.444	15.094	20.261	5	10000	5000

	Estimate	SE	CI_025	CI_975
<i>bio190</i>	1.36	0.0623	1.24	1.48
<i>slope</i>	0.928	0.0484	0.836	1.02
<i>l(bio190^2)</i>	1.12	0.0743	0.974	1.26
<i>l(slope^2)</i>	0.735	0.0495	0.642	0.836

	Estimate	SE	CI_025	CI_975
<i>bio190</i>	1.44	0.0708	1.31	1.59
<i>slope</i>	0.964	0.0553	0.86	1.07
<i>l(bio190^2)</i>	1.11	0.0553	0.995	1.21
<i>l(slope^2)</i>	0.75	0.0494	0.657	0.854

	Estimate	SE	CI_025	CI_975
<i>bio190</i>	1.48	0.0778	1.33	1.63
<i>slope</i>	0.985	0.0591	0.872	1.1
<i>l(bio190^2)</i>	1.1	0.0551	0.996	1.22
<i>l(slope^2)</i>	0.754	0.054	0.654	0.863

	Estimate	SE	CI_025	CI_975
<i>bio190</i>	1.42	0.0633	1.3	1.55
<i>slope</i>	0.954	0.051	0.858	1.06
<i>l(bio190^2)</i>	1.11	0.0554	1.01	1.23
<i>l(slope^2)</i>	0.746	0.0508	0.651	0.85

	bio190	slope
<i>VIF</i>	1.32	1.32
<i>factor</i>	0	0
<i>slope</i>	0.49	NA

	bio190	slope
<i>VIF</i>	1.32	1.32
<i>factor</i>	0	0
<i>slope</i>	0.49	NA

	bio190	slope
<i>VIF</i>	1.32	1.32
<i>factor</i>	0	0
<i>slope</i>	0.49	NA

	bio190	slope
<i>VIF</i>	1.32	1.32
<i>factor</i>	0	0
<i>slope</i>	0.49	NA

