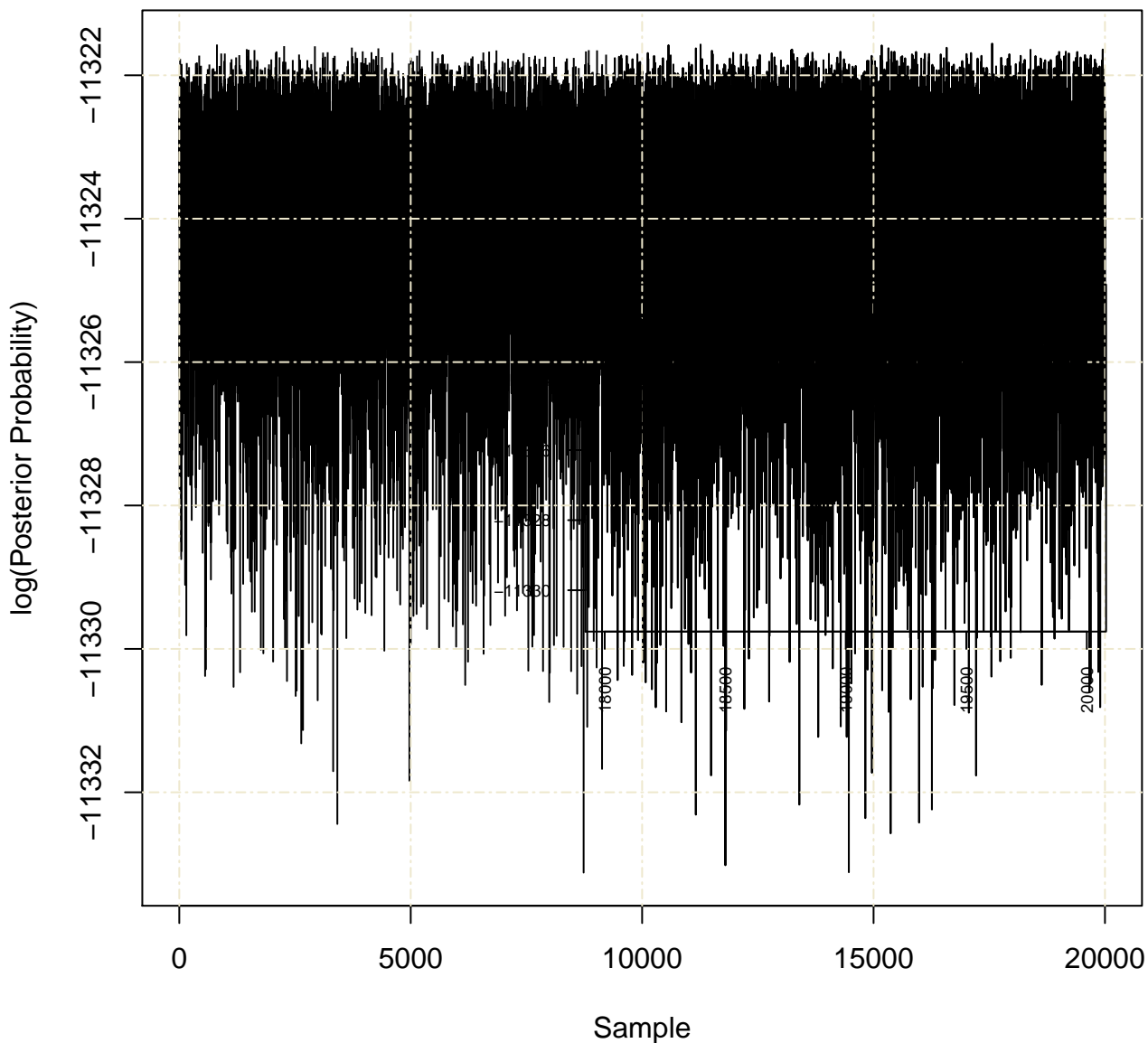**log(Posterior Probability): −11323.9889112306**

Trace of the Expected value of ϕ