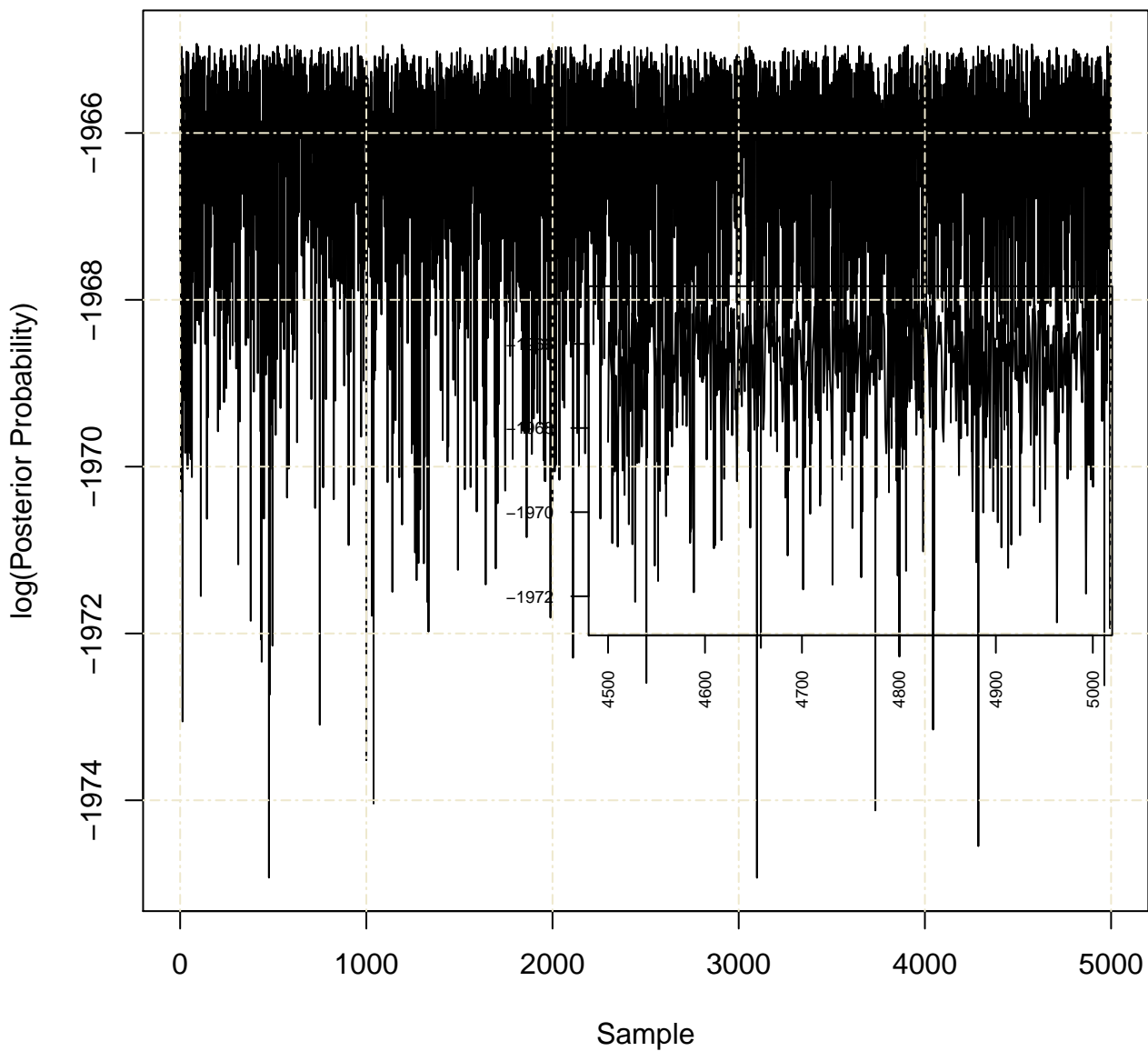**log(Posterior Probability): −1966.43603900782**

Trace of the Expected value of ϕ