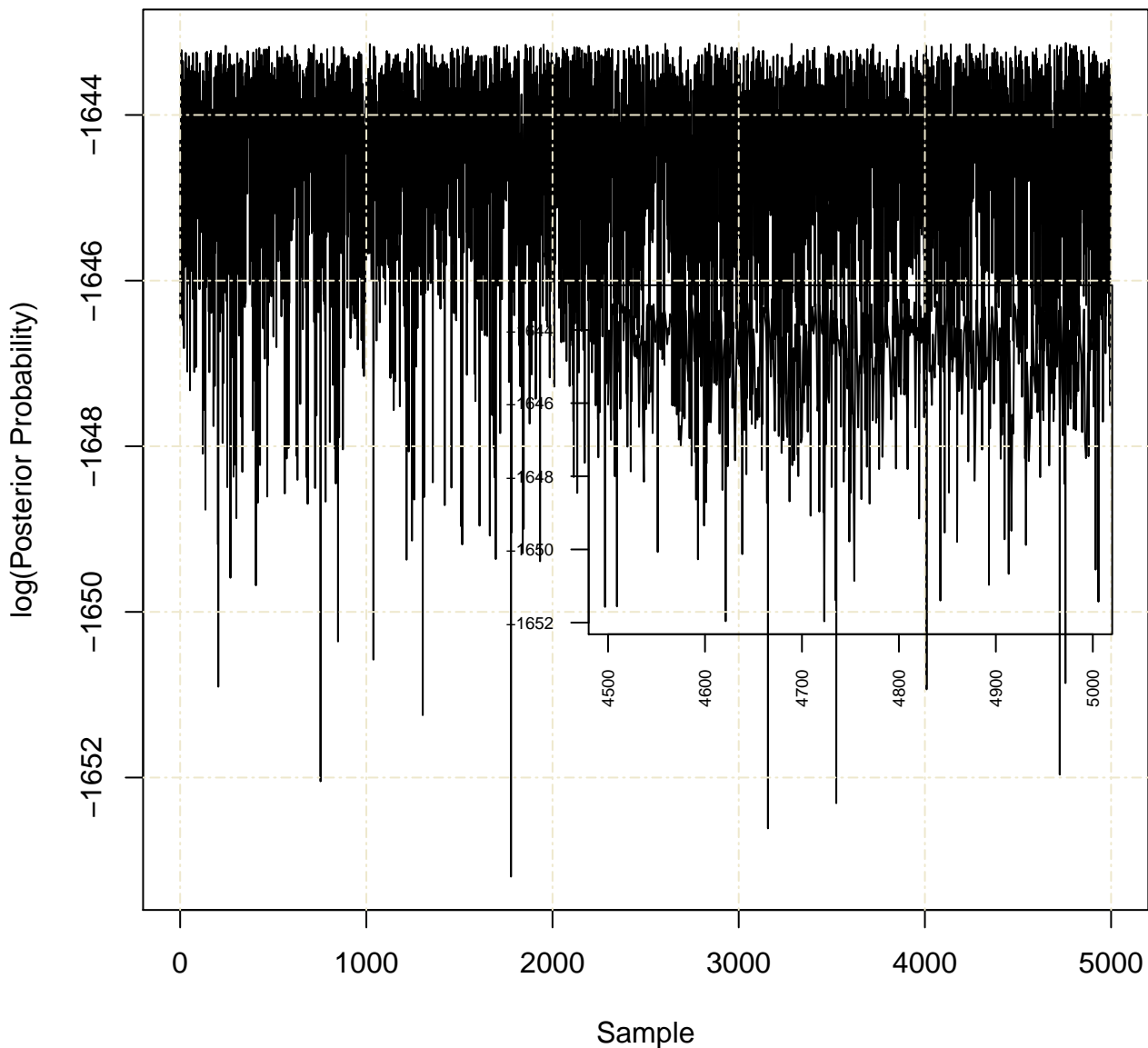**log(Posterior Probability): −1644.71102133004**

Trace of the Expected value of ϕ