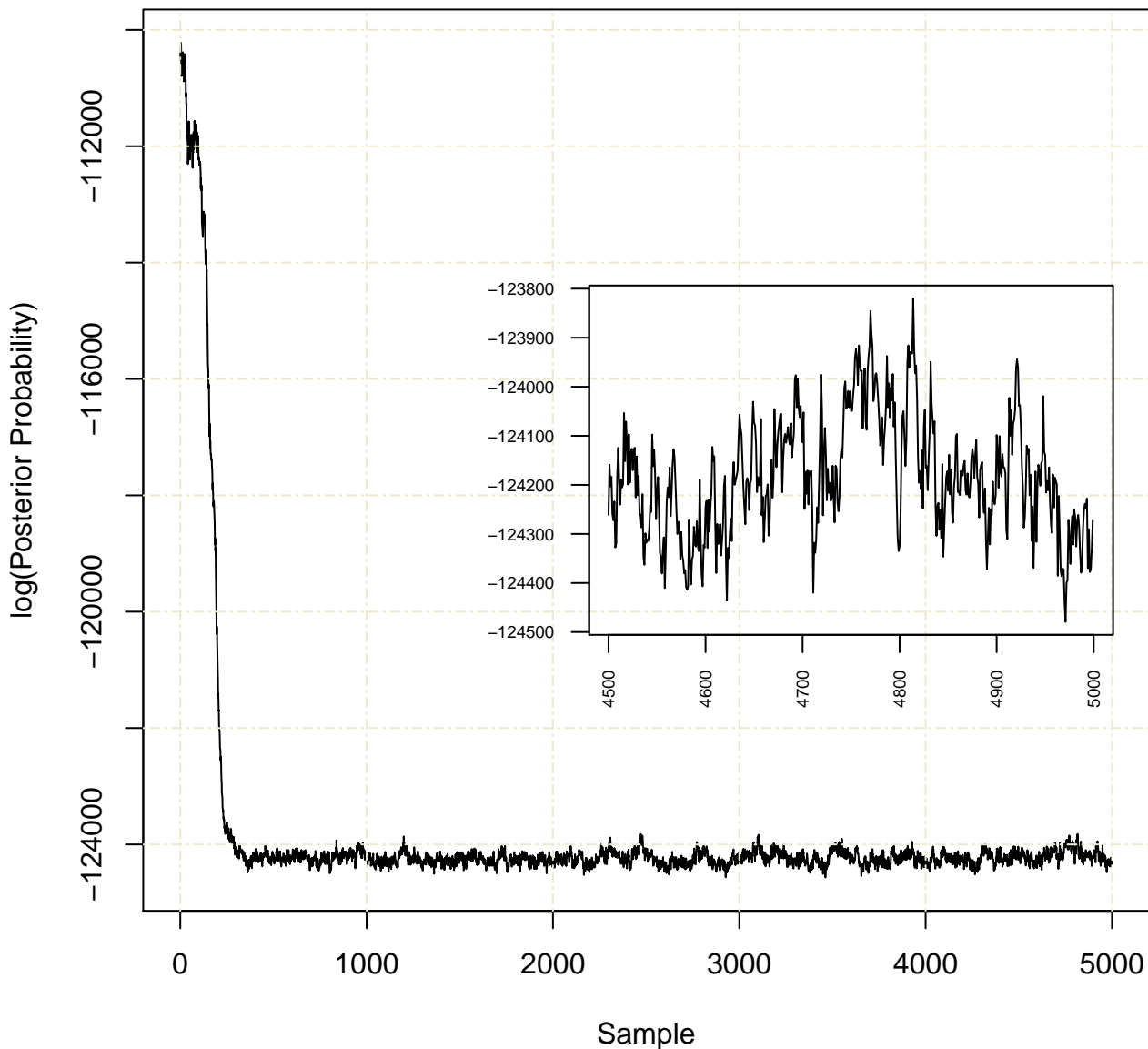**log(Posterior Probability): −124183.774203611**

Trace of the Expected value of ϕ