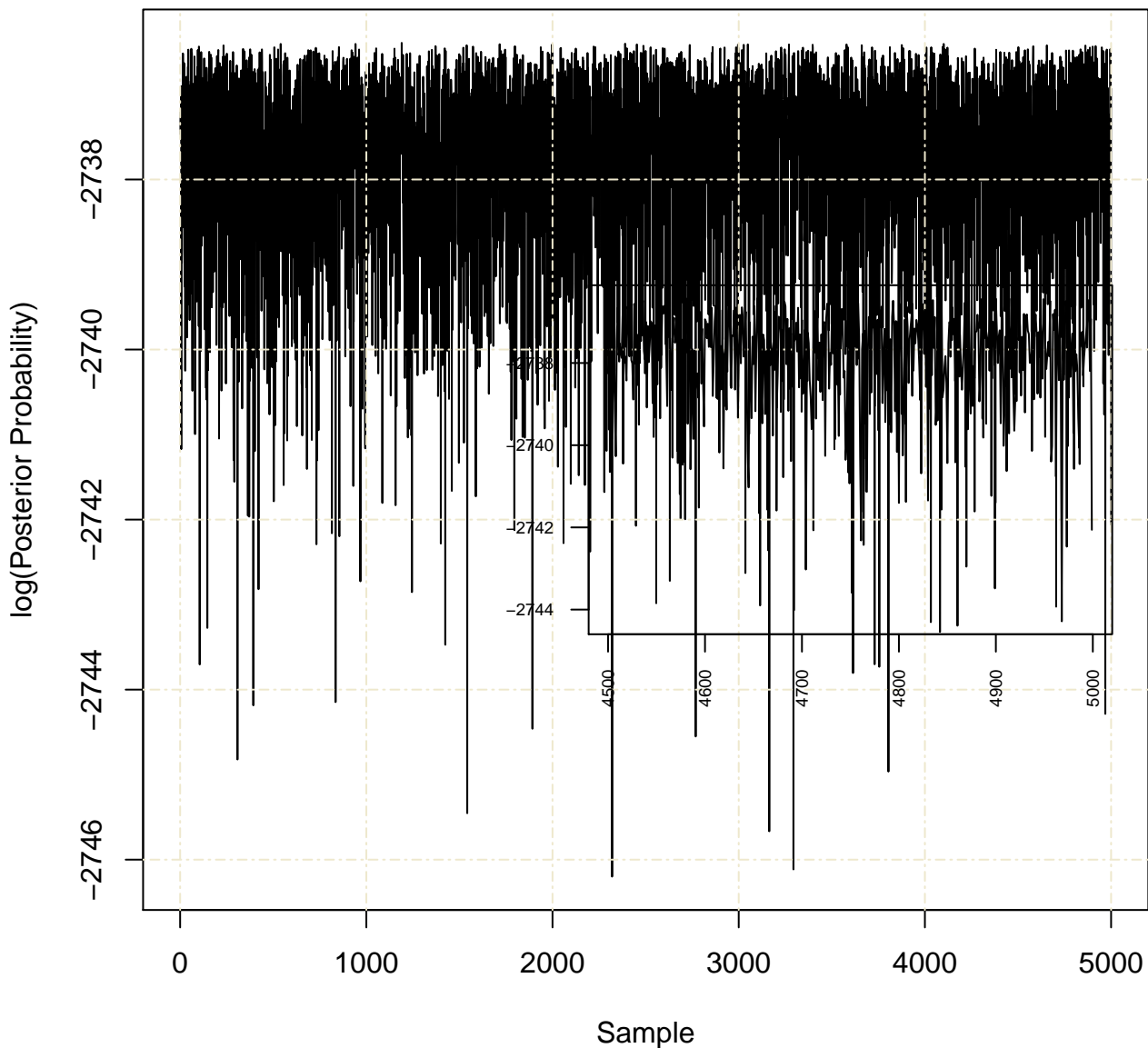**log(Posterior Probability): −2737.81010700378**

Trace of the Expected value of ϕ