Influence of gold nanoparticles on Taq DNA polymerase activity
during polymerase chain reaction

Running Title: Gold nanoparticles modulating Taq polymerase activity

Samir Mandal†, Maidul Hossain‡, Murugan†, Gopinatha Suresh Kumar† and Keya Chaudhuri†*

†Molecular and Human Genetics Division and ‡Biophysical Chemistry Laboraotry
CSIR-Indian Institute of Chemical Biology, Kolkata 700032, India

*Corresponding author

Dr. Keya Chaudhuri
Molecular and Human Genetics Division
CSIR-Indian Institute of Chemical Biology
4, Raja S.C. Mullick Road, Kolkata-700 032, India.
Tel: 91-33-2473-0350; Fax: 91-33-2473-5197
Email: keya.chaudhuri@gmail.com
kchaudhuri@iicb.res.in
Figure S1 Size distribution curve of GNPs by DLS

Figure S2 UV-visible spectra of GNPs.
**Figure S3** CD melting study with 67 nm GNP. Curve 1 represents the melting curve of taq DNA polymerase without GNPs and that of 2 with GNPs.