Supporting information for

Plasmonic Coloration of silver Nanodome Arrays for smartphone-based plasmonic biosensor

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Figure S1 Schematic drawing the surface functionalization of metal nanodome arrays for detection of DNA hybridization.



Figure S2 UV-vis absorption spectra of DNA-AuNPs.



Figure S3 Sketch of the laboratory-built optical setup



Figure S4 Photographs of Ag nanodome arrays (ϕ =350 nm) with various thickness of Ag films.



Figure S 5 Transmission spectra of Ag nanodome arrays in contact with air taken at various incident angles. The dome diameter of Ag nanodome arrays are (a) 200 nm, (b) 350 nm and (c) 500 nm.