Supporting Information

Surface-Enhanced Raman Spectroscopy for Facile DNA Detection using Gold Nanoparticle Aggregates Formed via Photoligation

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Results of HPLC analyses

T-DNA: 5’-TACACTGAAGTGAAAACTGTGAGTG-3’ (25-mer)
P1: 5’-HS-ACTCACAGTTTTCAC-3’ (15-mer, 5’-SH)
P2: 5’-CVUTCAGTGTA-SH-3’ (9-mer, 3’-SH)

Figure S1. HPLC analysis of the products obtained during enzymatic digestion of P1.
**Figure S2.** HPLC analysis of the products obtained during enzymatic digestion of P2.

**Figure S3.** HPLC analysis of the products obtained during enzymatic digestion of T-DNA.
Results of MALDI-TOF-MS analyses

Figure S4. MALDI-TOF-MS analysis of P1 using 3-hydroxypicolinic acid as a matrix.

Figure S5. MALDI-TOF-MS analysis of P2 using 3-hydroxypicolinic acid as a matrix.
Figure S6. MALDI-TOF-MS analysis of T-DNA using 3-hydroxypicolinic acid as a matrix.