



Supplementary Materials

## **Detection of Pancreatic Cancer miRNA with Biocompatible Nitrogen-Doped Graphene Quantum Dots**

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**Figure S2.** Zeta potential of NGQDs (orange), ssDNA (green), NGQDs/ssDNA (purple) with the corresponding values of  $1.14 \pm 0.36$ , -22.4  $\pm 6.00$ , and -1.48  $\pm 0.76$  mV.



Figure S3. HRTEM and FFT of (a,b) NGQDs and (c,d) NGQDs/ssDNA.



Figure S4. Stability test of NGQDs/ssDNA132S (red) and NGQDs/ssDNA132S+miR-132 (green).