Highly Selective Aptamer Based Ultrasensitive Nanogold Colorimetry-Smartphone Readout for Detection of Cd (II)

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Figure S1 (A) Secondary structure of Cd (II) aptamer predicted using Mfold software. The part marked with red line had folded into a stem-loop structure. (B) CD spectra of (a) 10 μM aptamer solutions, (b) 10 μM aptamer and 50μg/mL Cd (II) solution, (c) 50μg/mL Cd (II) solution.

| Method                  | Rice(mg/kg) | Water(ng/mL) |
|-------------------------|-------------|--------------|
| Nation Standard method  | 0.488       | 15.969       |
| This method             | 0.455       | 15.200       |