Use of Surface Photovoltage Spectroscopy to Measure Built-in Voltage, Space Charge Layer Width, and Effective Band Gap in CdSe Quantum Dot Films

Jing Zhao, Benjamin A Nail, Michael A. Holmes, Frank E. Osterloh*

SUPPORTING INFORMATION (2 pages)

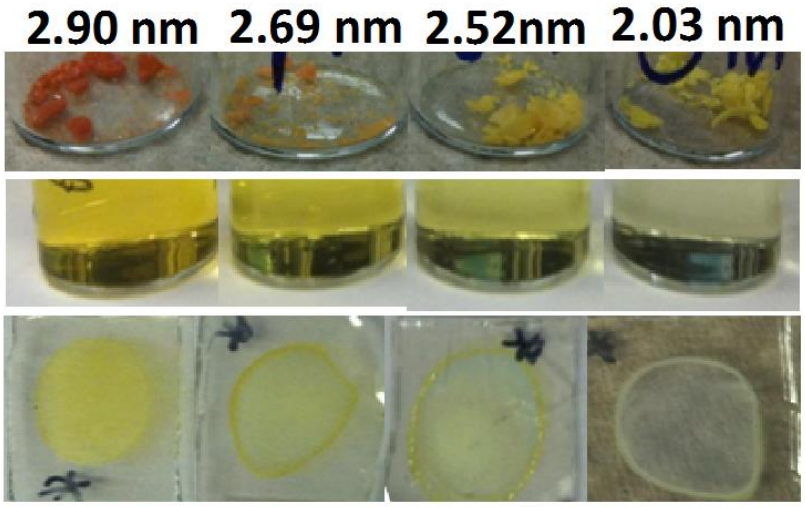

Figure S1. Photos of CdSe QD samples of various sizes. Top: QDs in the powder form; Mid: corresponding aqueous solutions; Bottom: films of the corresponding sizes.

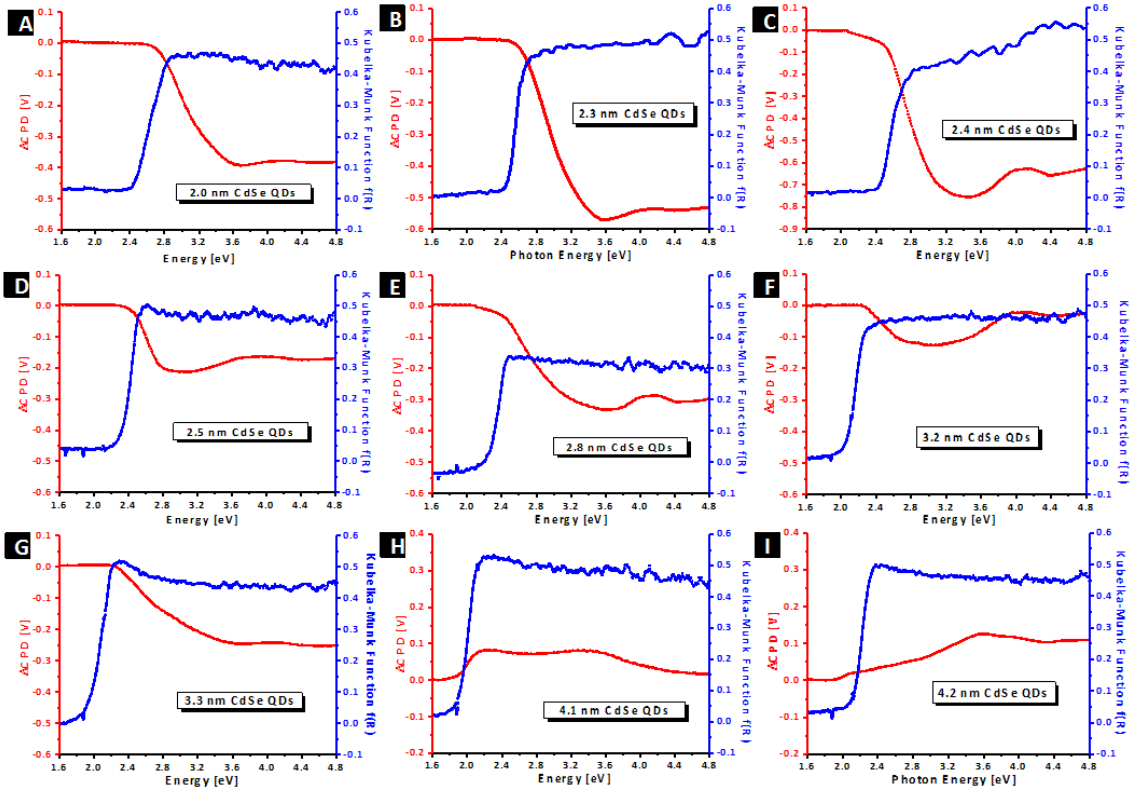

Figure S2. Representative SPV spectra for **A)** 2.0 nm CdSe QDs, **B)** 2.3 nm CdSe QDs, **C)** 2.4 nm CdSe QDs, **D)** 2.5 nm CdSe QDs, **E)** 2.8 nm CdSe QDs, **F)** 3.2 nm CdSe QDs, **G)** 3.3 nm CdSe QDs, **H)** 4.1 nm CdSe QDs and **I)** 4.2 nm CdSe QDs.