The Capsid Assembly-induced Luminescence Enhancement (AILE) of DNA-protected Silver Nanoclusters and an \textit{in-situ} Application

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Fig. S1 FPLC elution profile of HPV 16 L1.

Fig. S2 The corresponding energy-dispersive X-ray (EDX) spectroscopy of the representative particle of AgNCs@VLPs.
**Fig. S3** Size distributions of AgNCs@VLPs, being statistic from 200 particles from TEM images (A) without and (B) with negative stain, respective.

**Fig. S4** The fluorescence spectra monitoring of the assembly process in the assembly buffer (pH = 5.4, $\lambda_{ex} = 445$ nm) between L1-p (3.0 µM) and AgNCs-dsDNA at molar ratios of (A) 3:0.5, (B) 3:1.5, and (C) 3:3, respectively.