

# Supplemental Materials

The Bio-Safety Concerns of Temporary Hair Dye Molecules:

Percutaneous Absorption, Cytotoxicity, BSA and DNA Interaction

Research

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## **Captions**

Fig. S1: The emission spectra of BSA under different concentrations of (a) BR2 and (b) VBB. The arrows indicate the spectra change with the addition of concentration.

Fig. S2: The H-bonds between BSA and dyes, (a) FB, (b) BR2 and (c) VBB based on the lowest free binding energy.

Fig. S3: The binding details between CT-DNA and dyes, (a) FB, (b) BR2 and (c) VBB based on the lowest free binding energy.

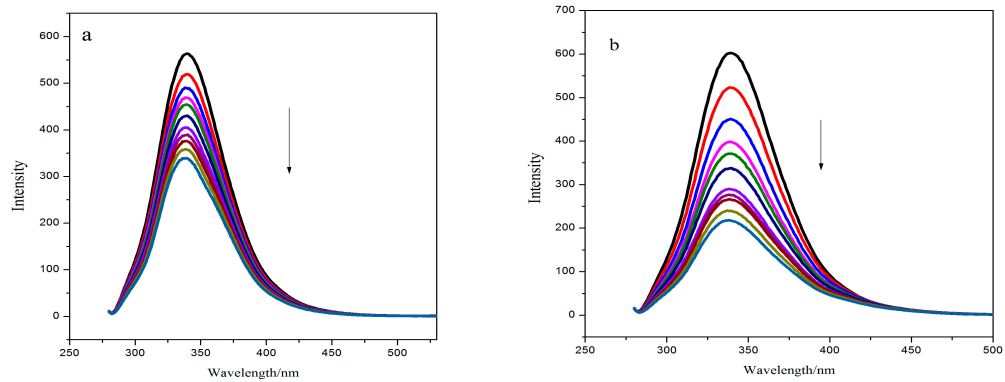


Fig. S1: The emission spectra of BSA under different concentrations of BR2 (a) and VBB (b). The arrows indicate the spectra change with the addition of concentration.

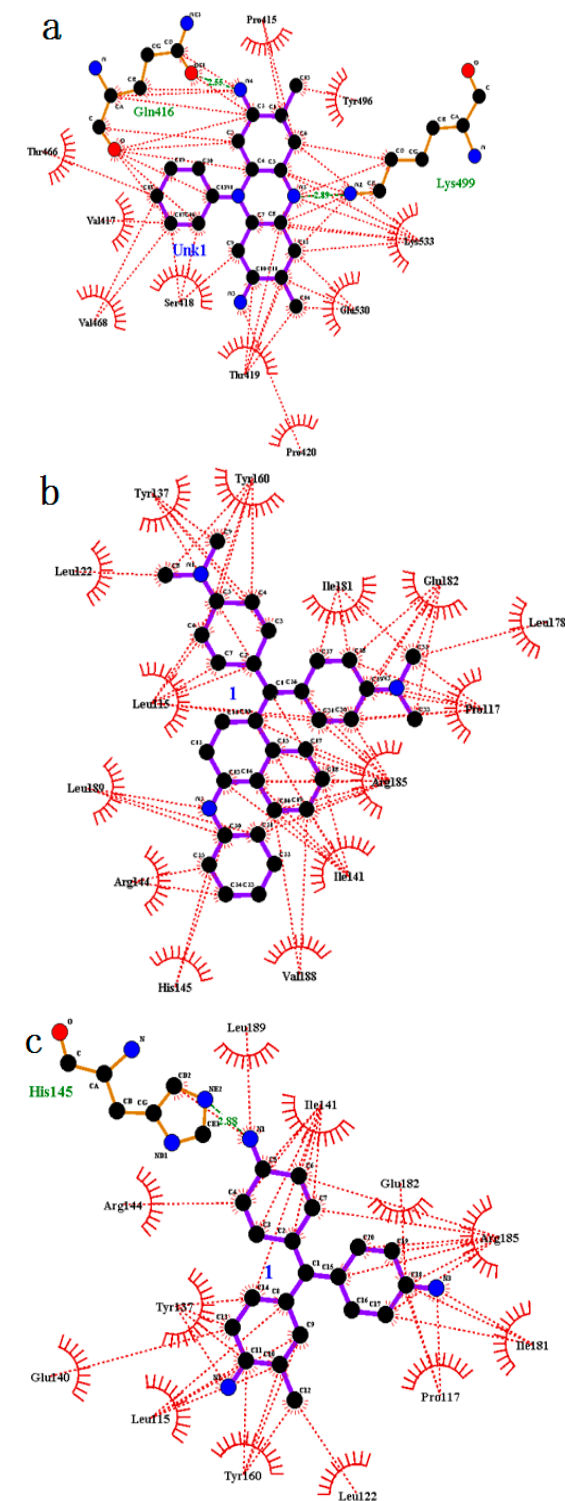


Fig. S2: The H-bonds between BSA and dyes, (a) FB, (b) BR2 and (c) VBB based on the lowest free binding energy.

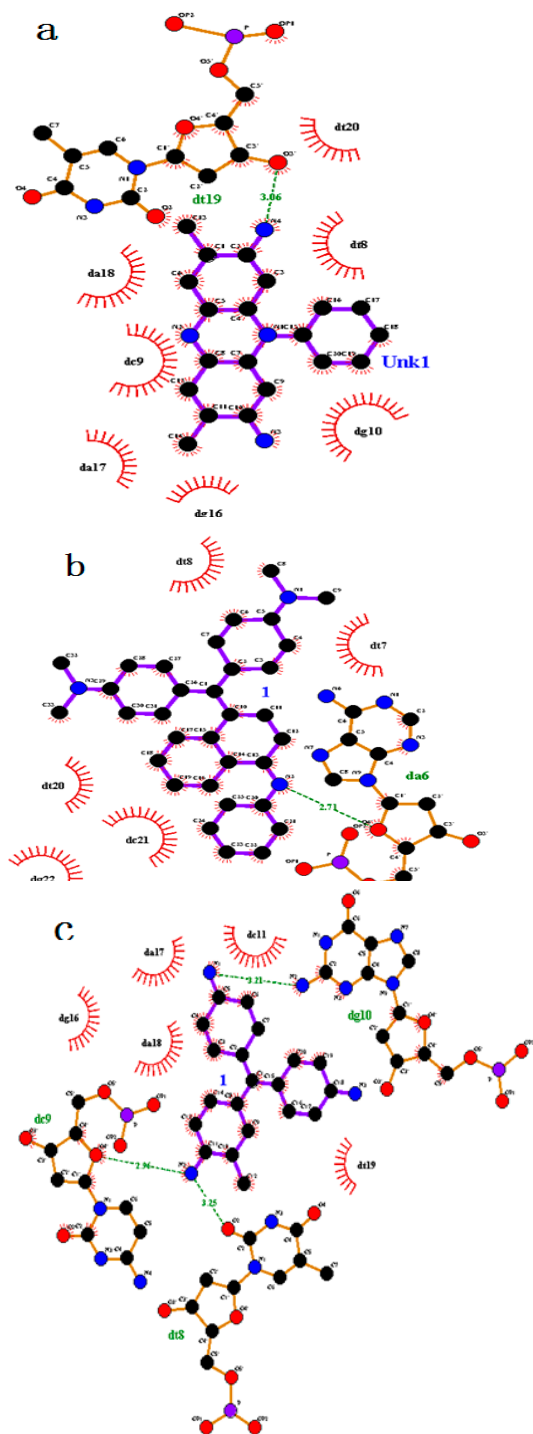


Fig. S3. The binding details between CT-DNA and dyes, (a) FB, (b) BR2 and (c) VBB based on the lowest free binding energy.