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Supporting information for article:

Utilizing guanine-coordinated Zn²⁺ ions to determine DNA crystal structures by single-wavelength anomalous diffraction

Caixia Hou and Oleg V. Tsodikov

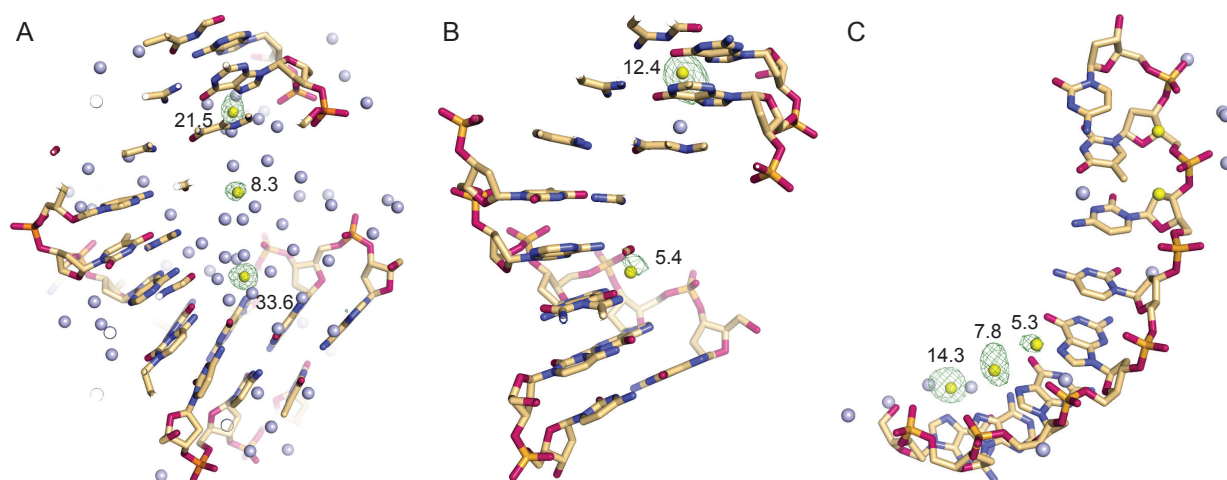


Figure S1. The crystal structures of the DNA-Zn²⁺ complexes and the anomalous maps. The crystal structures of AGGGATCCCT-Zn²⁺ (panel A), GGGATCCC-Zn²⁺ (panel B) and GAGGCCTC-Zn²⁺ (panel C) complexes are shown similarly to the views in Figs. 1 and 3 in the main text, except for cutting away the front parts of the first and the second structures to facilitate the view of the maps. Anomalous difference Fourier maps contoured at 4 σ are shown as a green mesh. The Zn²⁺ ions and water molecules are shown as yellow and blue spheres, respectively. The peak heights (in σ) are indicated near each Zn²⁺ peak.