Supporting Information

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**Title:** Photoinduced Intramolecular Electron-Transfer Reactions of Reconstituted Metal and Zinc-Myoglobins Appending Acridine and Methylacridinium Ion as DNA-Binders

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Figure S1. (a) Fluorescence spectra of ZnMbAc(6)Me⁺ (bold line), ZnMb (solid line), and the 1:1 mixture of ZnMb and [AcMe]⁺ (dashed line) (5.0 x 10⁻⁶ M, λₑₓ = 428 nm) at 25 °C, pH 7.0 (0.010 M phosphate buffer), and I = 0.020 M. (b) Fluorescence decay of ¹(ZnMb)* in ZnMbAc(6)Me⁺ measured at 600 nm (λₑₓ = 400 nm). A bold line is fitted to a single exponential equation (τ=2.2 ns).