Supporting Information for:

An internal charge transfer-DNA platform for fluorescence sensing of divalent metal ions

Darian J.M. Blanchard and Richard A. Manderville*

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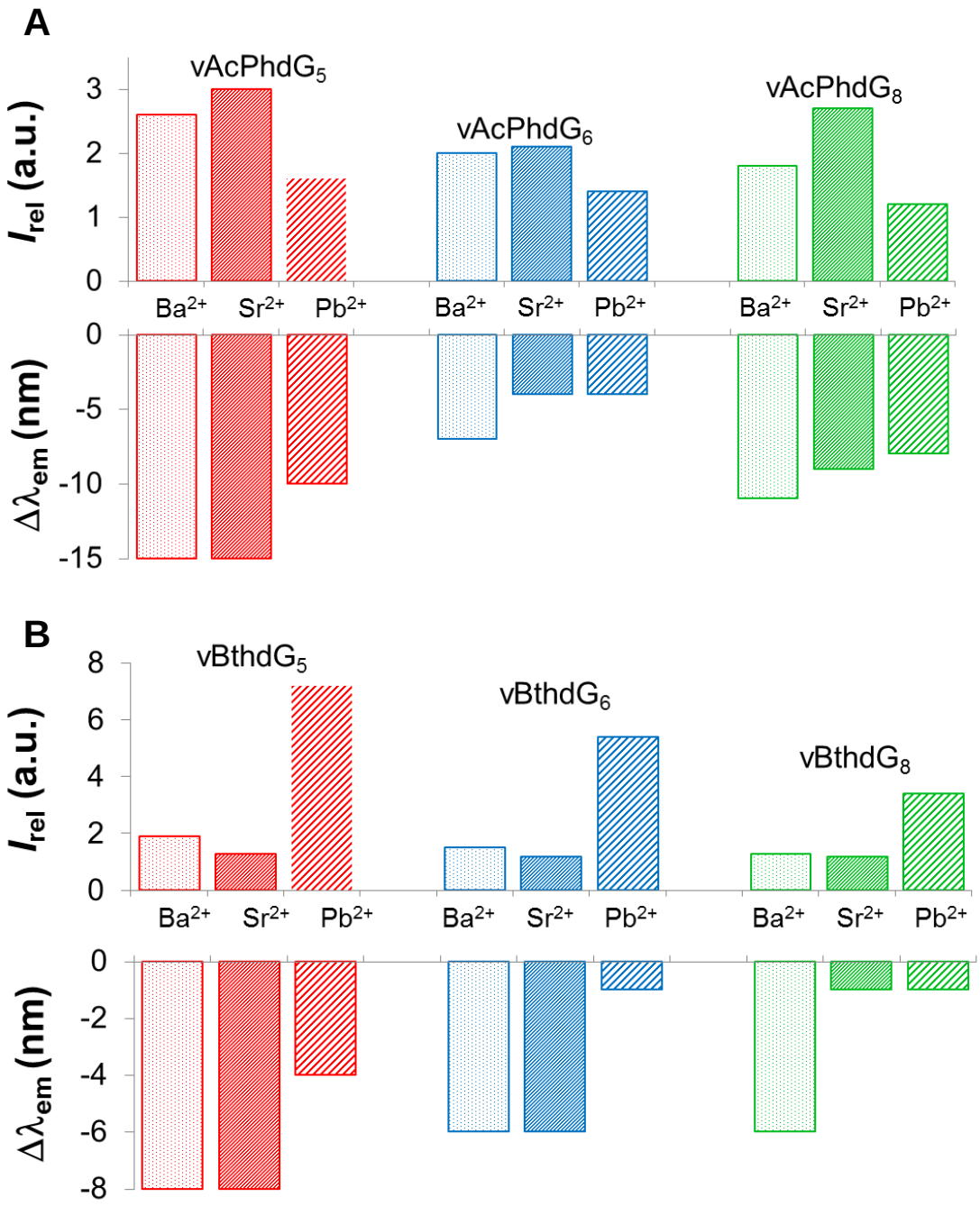

Fig. S1. Positional-dependent (G_5 vs G_6 vs. G_8) emission intensity (I_{rel}) and emission wavelength ($\Delta\lambda_{em}$) values in aqueous buffer at 10 °C. (A) vAcPhdG; $I_{rel} = (I_{divalent\ metal}/I_{K+})$ and $\Delta\lambda_{em} = (\lambda_{em(divalent\ metal)} - \lambda_{em(K+)})$, (B) vBthdG; $I_{rel} = (I_{K+}/I_{divalent\ metal})$ and $\Delta\lambda_{em} = (\lambda_{em(divalent\ metal)} - \lambda_{em(K+)})$.