Supplementary Materials: Interaction and Binding Modes of *Bis*-Ruthenium(II) Complex to Synthetic DNAs

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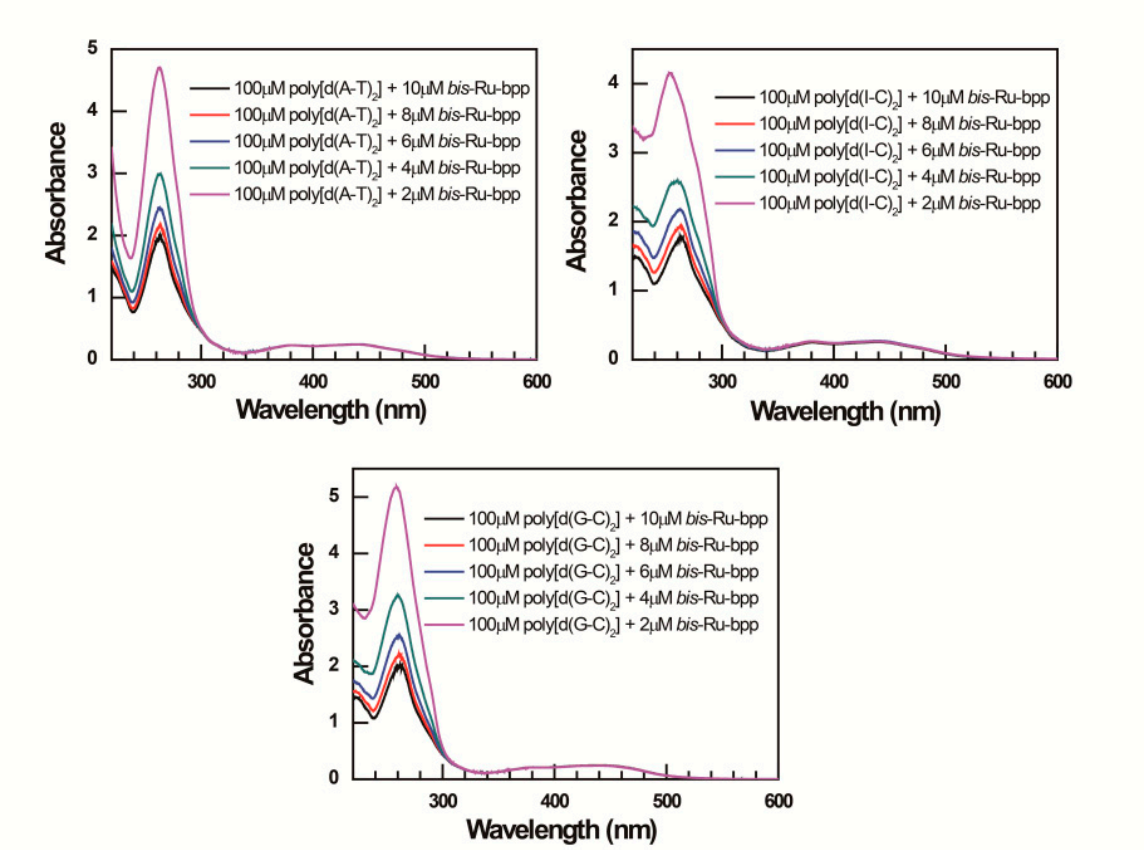

Figure S1. Normalized absorption spectra of *bis*-Ru-bpp bound to poly[d(A-T)$_2$], poly[d(G-C)$_2$] and poly[d(I-C)$_2$] DNA. [DNA]= 100 μM, [*bis*-Ru-bpp] = 2.0, 4.0, 6.0, 8.0, 10.0 μM. The absorption spectra of DNA were subtracted for ease of comparison. The absorption spectra of the *bis*-Ru-bpp bound to DNA at a concentration range below 10.0 μM were identical for all DNAs.

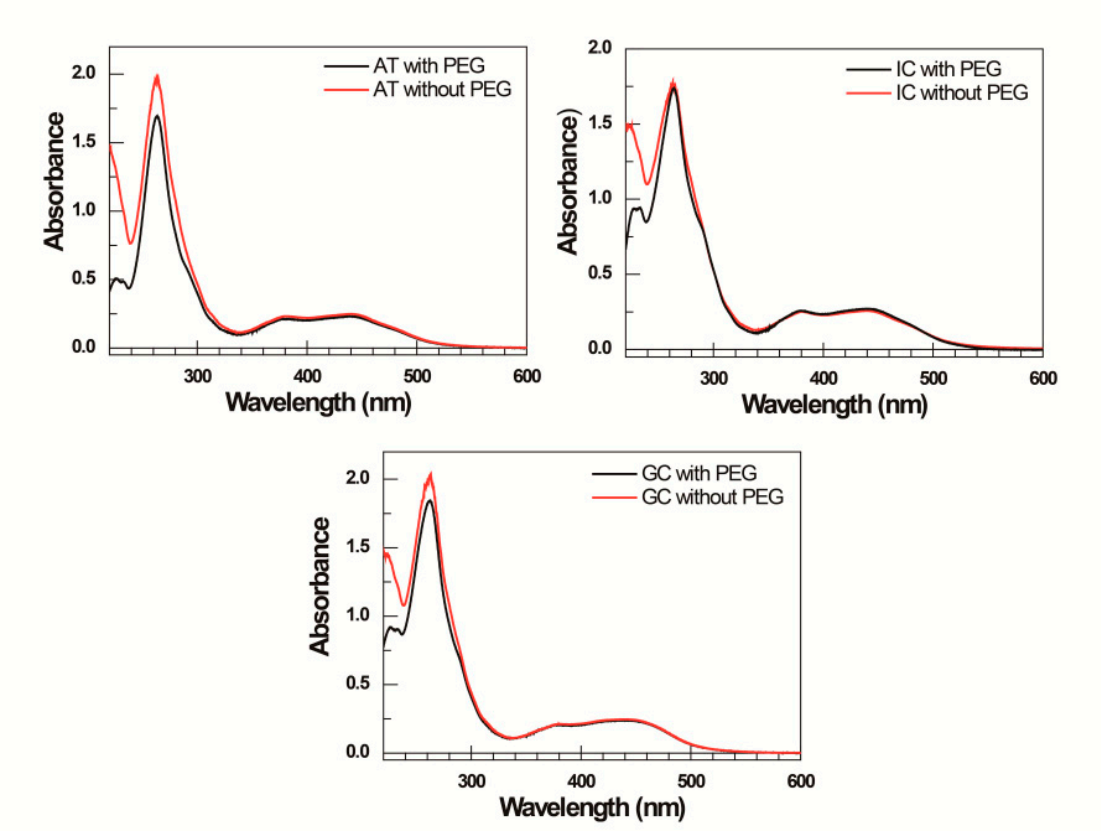

Figure S2. Absorption spectra of *bis*-Ru-bpp bound to poly[d(A-T)$_2$], poly[d(G-C)$_2$] and poly[d(I-C)$_2$] in peg(black curve) and not in peg (red curve) condition. [DNA]= 100 μM, [*bis*-Ru-bpp] = 10.0 μM.

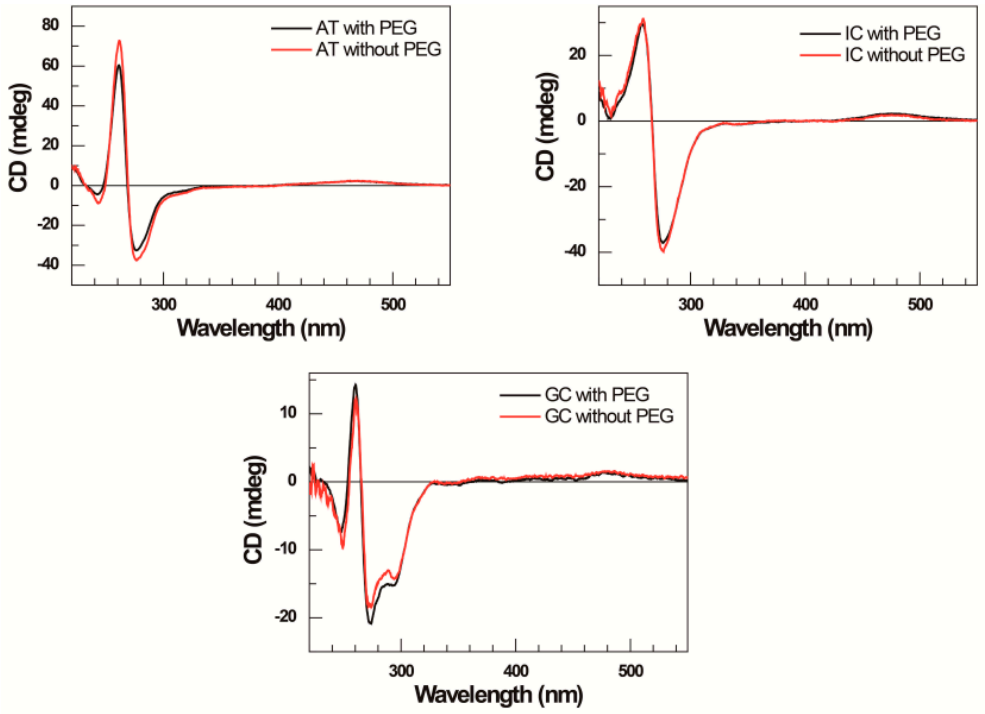

Figure S3. CD spectra of *bis*-Ru-bpp bound to poly[d(A-T)$_2$], poly[d(G-C)$_2$] and poly[d(I-C)$_2$] in peg (black curve) and not in peg (red curve) condition. The concentration is the same in Figure 1.