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Supplementary Materials

G-Quadruplex Modulation of SP1 Functional Binding Sites at the *KIT* Proximal Promoter

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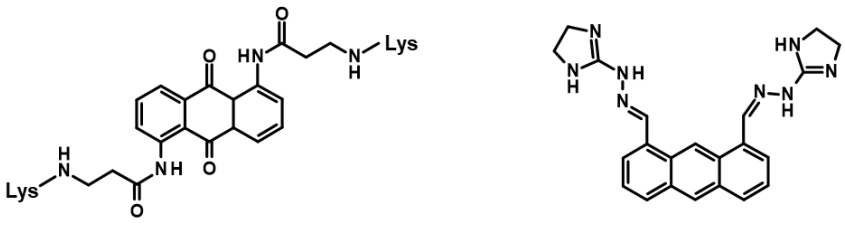

Figure S1. Chemical structures of G4 ligands used in this work.

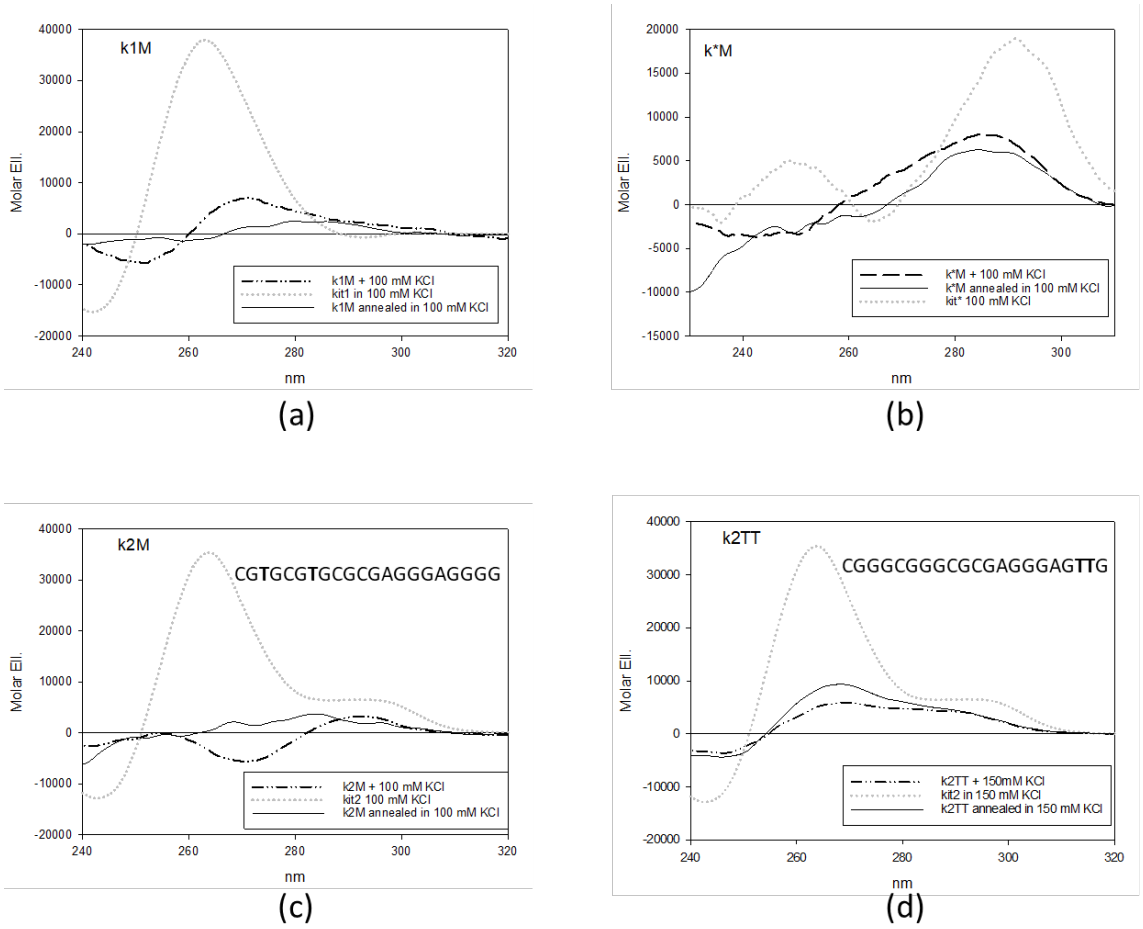

Figure S2. CD spectra of 4 μM k1M, k*M and k2M ((a), (b) and (c)) acquired in in 10 mM Tris, 100 mM KCl, pH 7.5, 25 °C before and after an anneling step. For comparison in panel (d) the same data are reported for a mutated sequence of kit2 (k2TT) that has been discharged along the selection process.

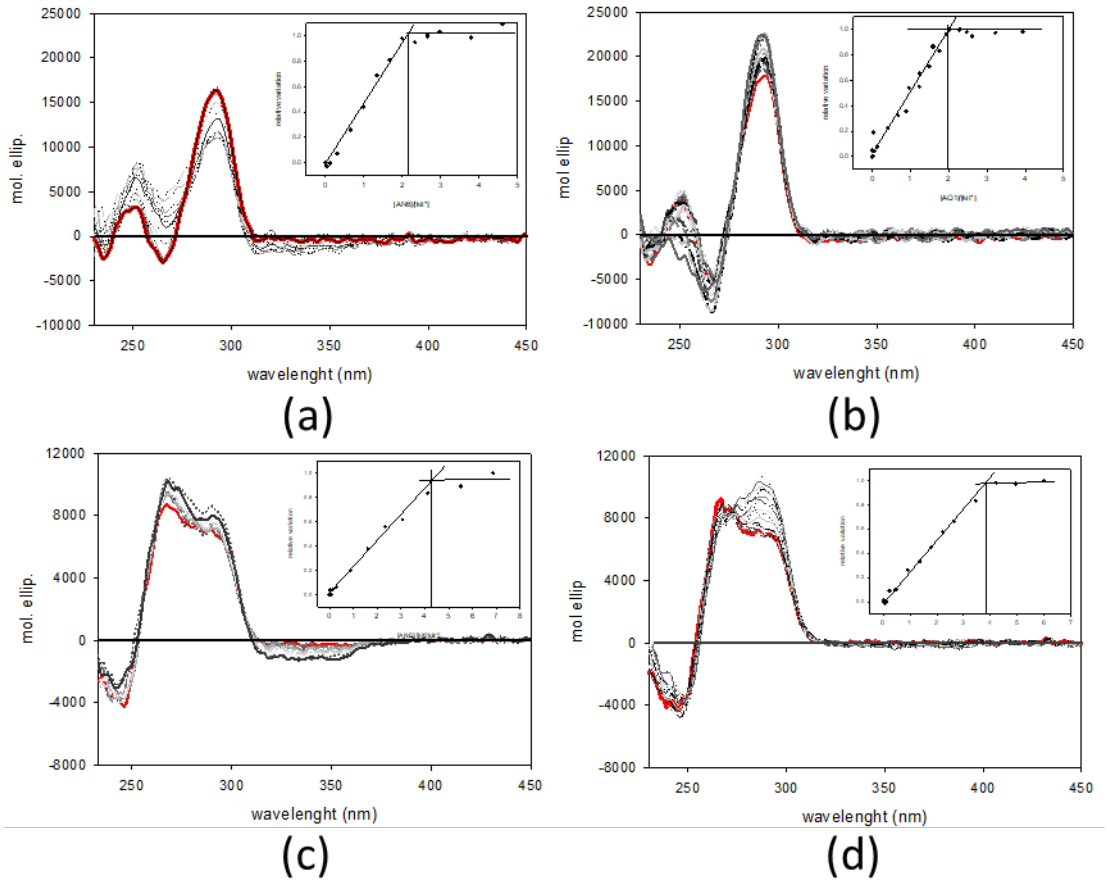

Figure S3. CD titrations of 4 μM kit* ((a) and (b)) and kit2kit* ((c) and (d)) with increasing concentrations of AN6 ((a) and (c)) or AQ1 ((b) and (d)) in 10 mM Tris, 100 mM KCl, pH 7.5, 25 °C. Red lines refer to the oligonucleotides in the absence of ligand. The inset report the relative variation of the optical signal as a function of the [ligand]/[DNA] molar ratio.