

SUPPLEMENTARY INFORMATION

Toward the development of specific G-quadruplex binders: synthesis, biophysical and biological studies of new hydrazone derivatives

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Figure S4. (A) CD spectra of Fckit2T (black), FcmycT (red) and F21T-p (green) G4s. (B) FRET melting curves of the investigated G4s in the absence (black) and in presence of 4 molar equiv. of compounds **2** (red), **3** (green) and **5** (blue) (5 mM potassium phosphate buffer, 20 mM KCl for Fckit2T and FcmycT; 10 mM lithium phosphate buffer, 100 mM KCl for F21T-p).

Figure S5. CD titration of the investigated DNAs with compounds **2**, **3** and **4** in the absence of metal cations (50 mM Tris buffer).

Figure S6. CD melting curves of c-myc G4 in the absence and in presence of 4 molar equiv. of compounds **1-10** in 10 mM potassium phosphate buffer containing 100 mM KCl (pH 7.0).

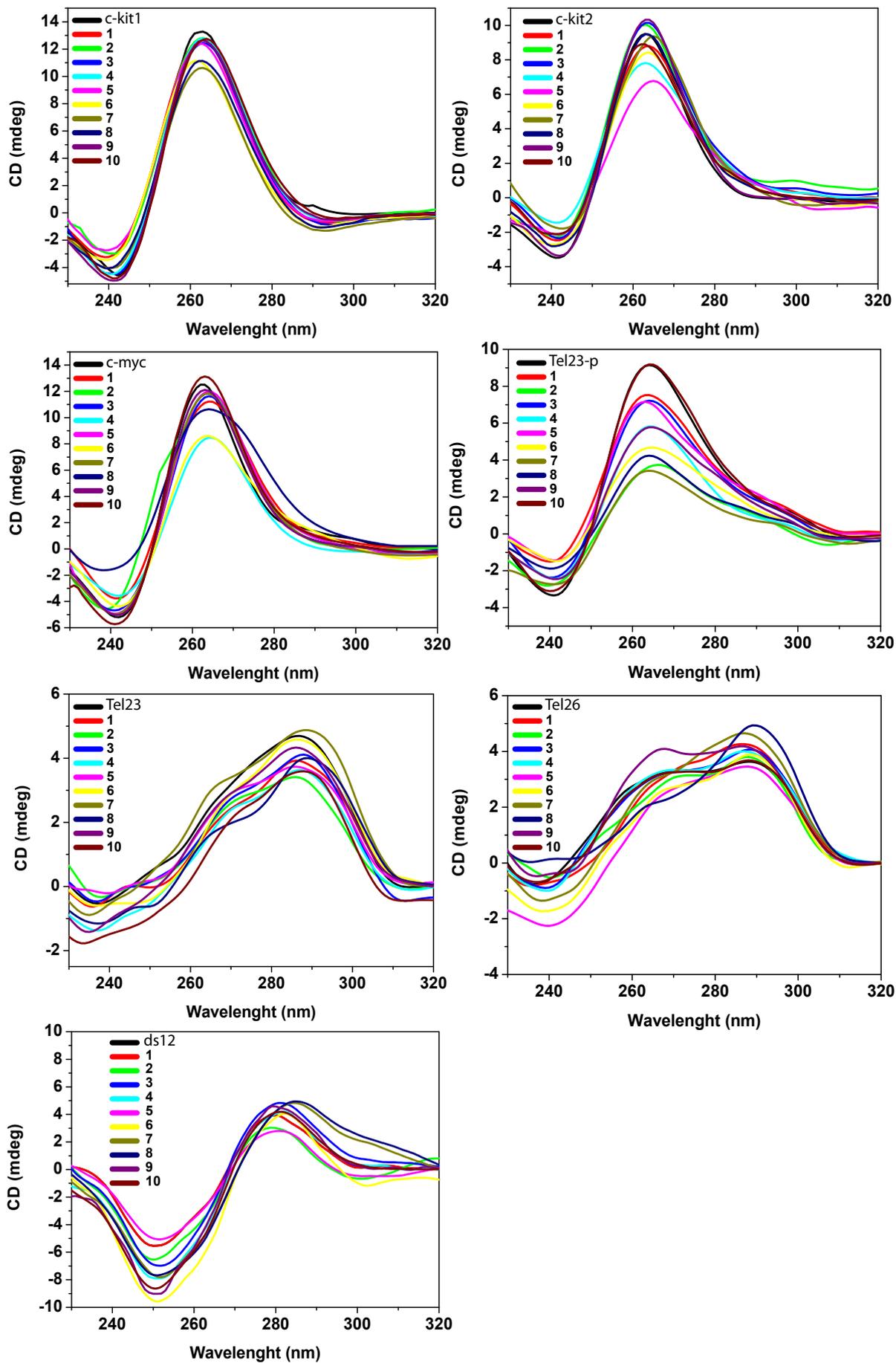


Figure S1. CD spectra of the investigated DNAs in the absence and in presence of 4 molar equiv. of compounds 1-10.

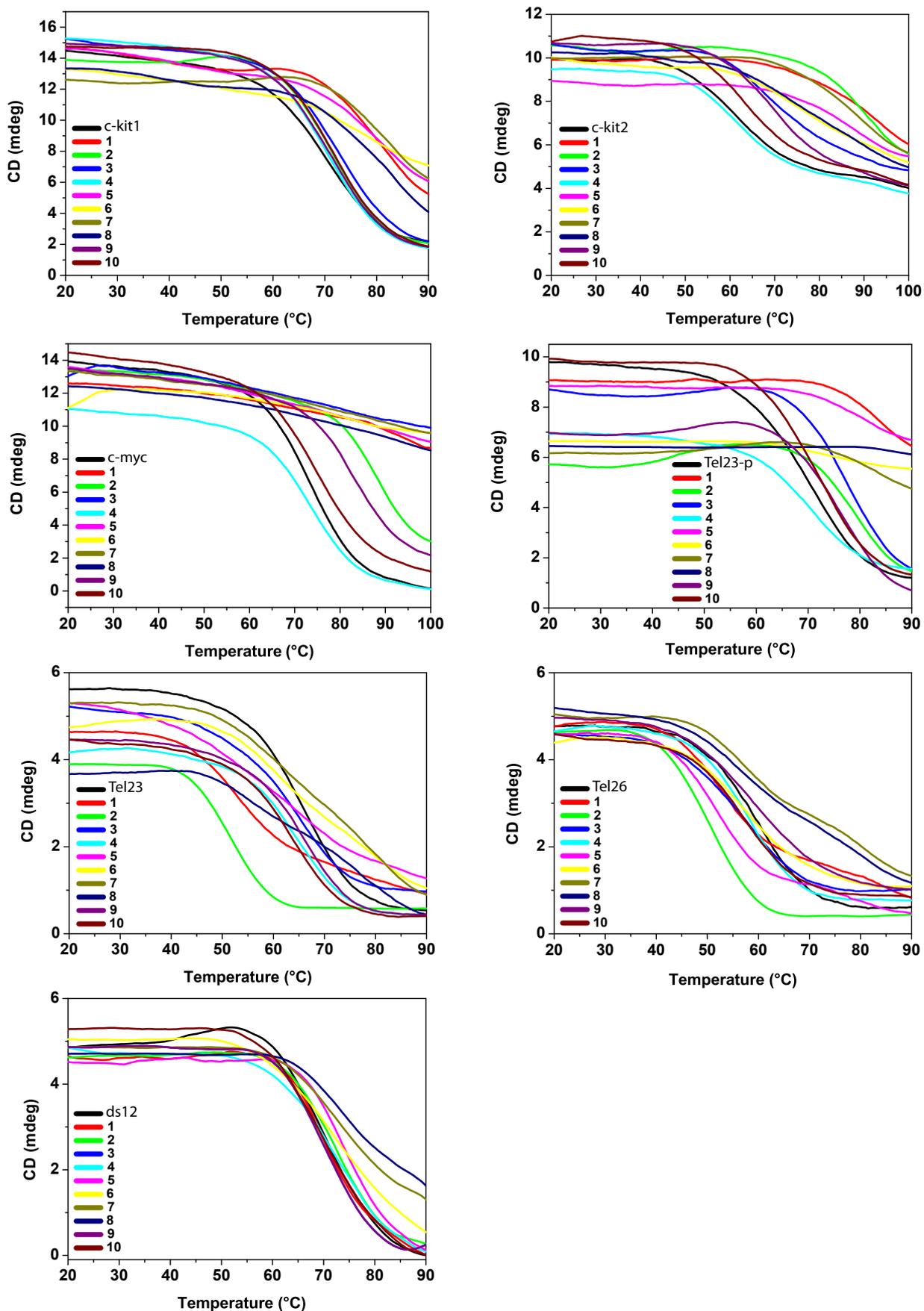


Figure S2. CD melting curves of the investigated DNAs in the absence and in presence of 4 molar equiv. of compounds 1-10.

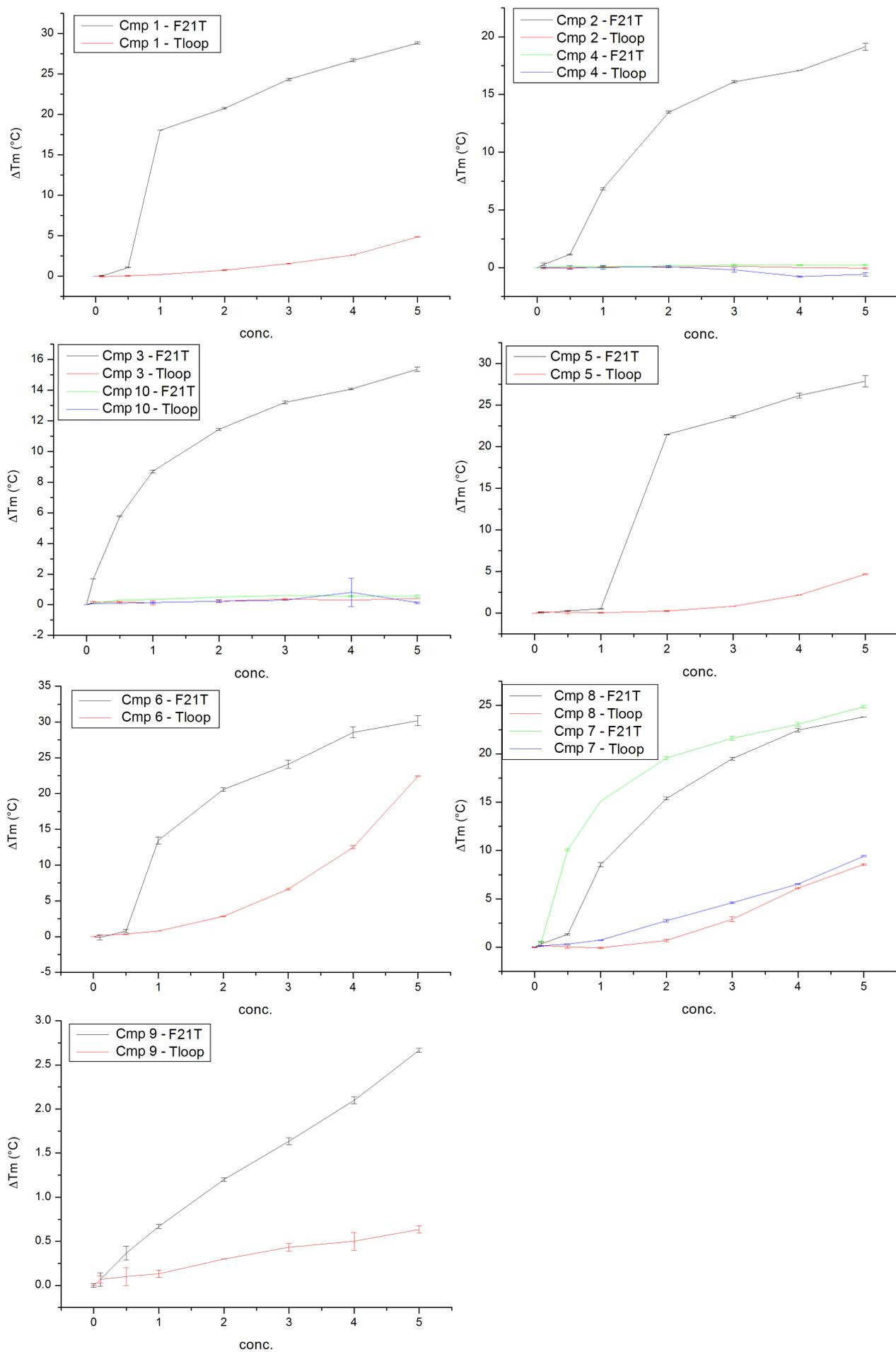


Figure S3. Thermal stabilization (ΔT_m) of F21T G4 and hairpin ds-DNA (T-loop) induced by the investigated ligands (cmp 1-10) at various concentrations (μM) measured by FRET-melting experiments (400 nM DNA in 60 mM potassium cacodylate buffer, pH 7.4).

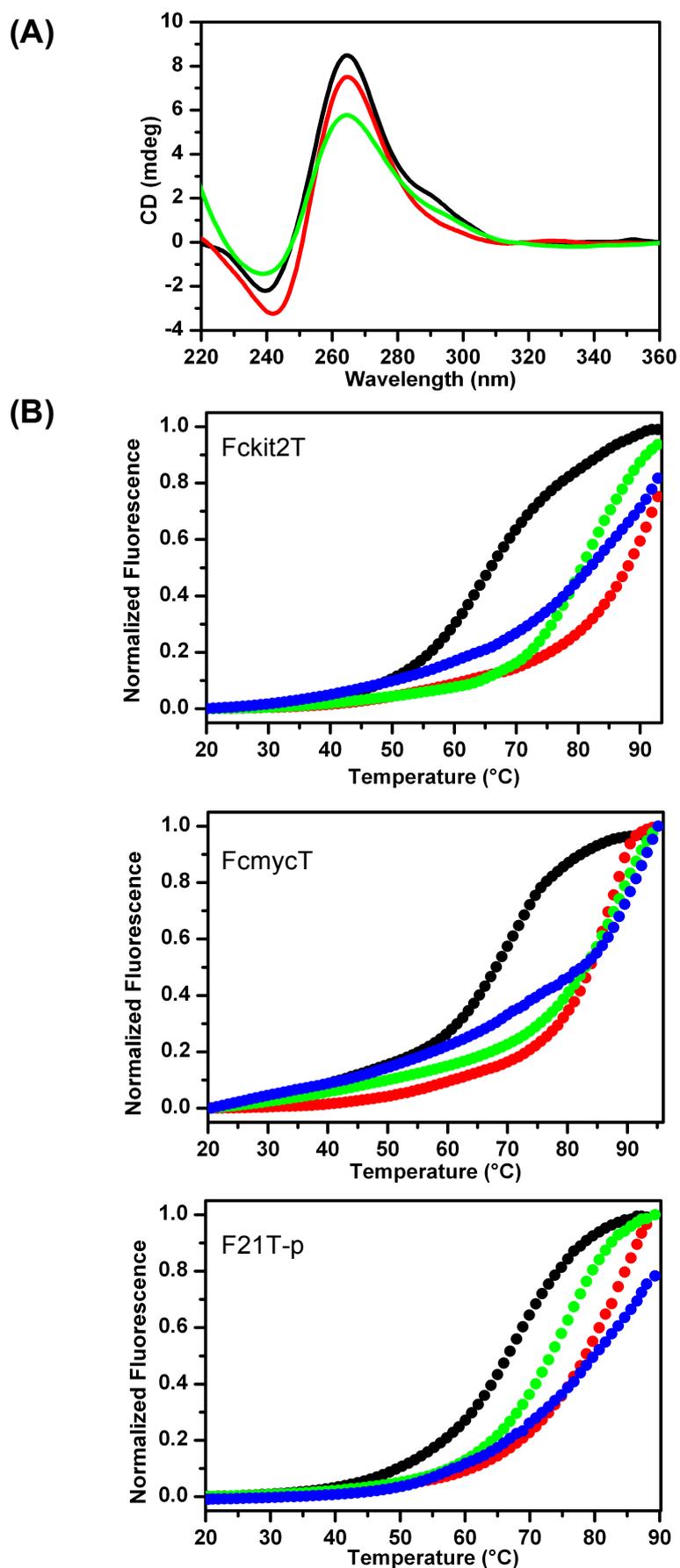


Figure S4. (A) CD spectra of Fckit2T (black), Fcmcyt (red) and F21T-p (green) G4s. (B) FRET melting curves of the investigated G4s in the absence (black) and in presence of 4 molar equiv. of compounds **2** (red), **3** (green) and **5** (blue) (5 mM potassium phosphate buffer, 20 mM KCl for Fckit2T and Fcmcyt; 10 mM lithium phosphate buffer, 100 mM KCl for F21T-p).

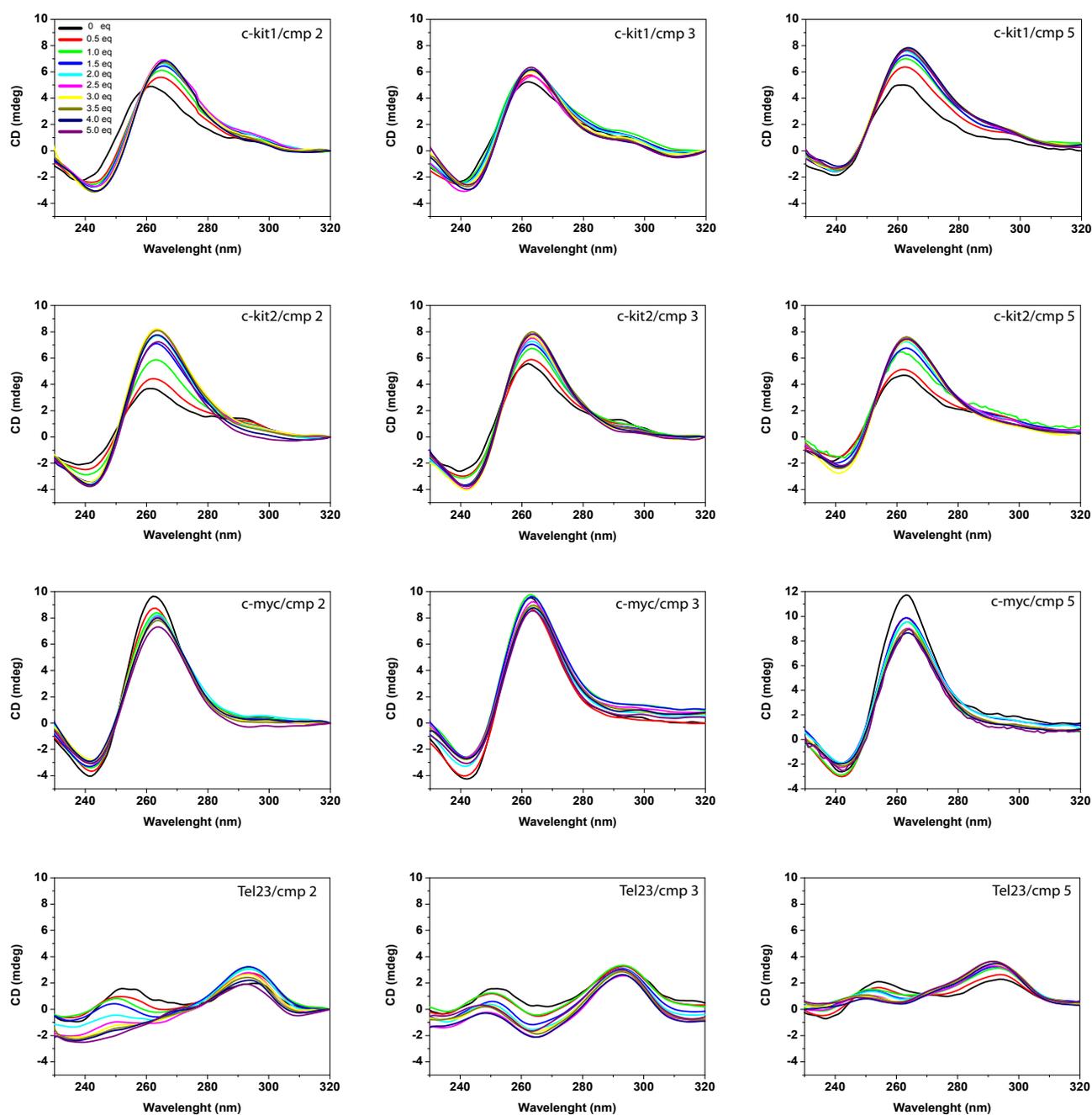


Figure S5. CD titration of the investigated DNAs with compounds **2** (left), **3** (middle) and **4** (right) in the absence of metal cations (50 mM Tris buffer).

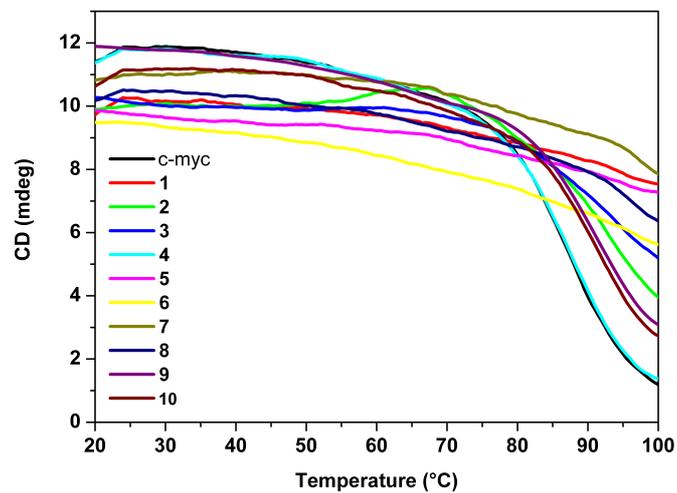


Figure S6. CD melting curves of c-myc G4 in the absence and in presence of 4 molar equiv. of compounds **1-10** in 10 mM potassium phosphate buffer containing 100 mM KCl (pH 7.0).