Supplementary Material

Toward G-Quadruplex-Based Anticancer Agents: Biophysical and Biological Studies of Novel AS1411 Derivatives

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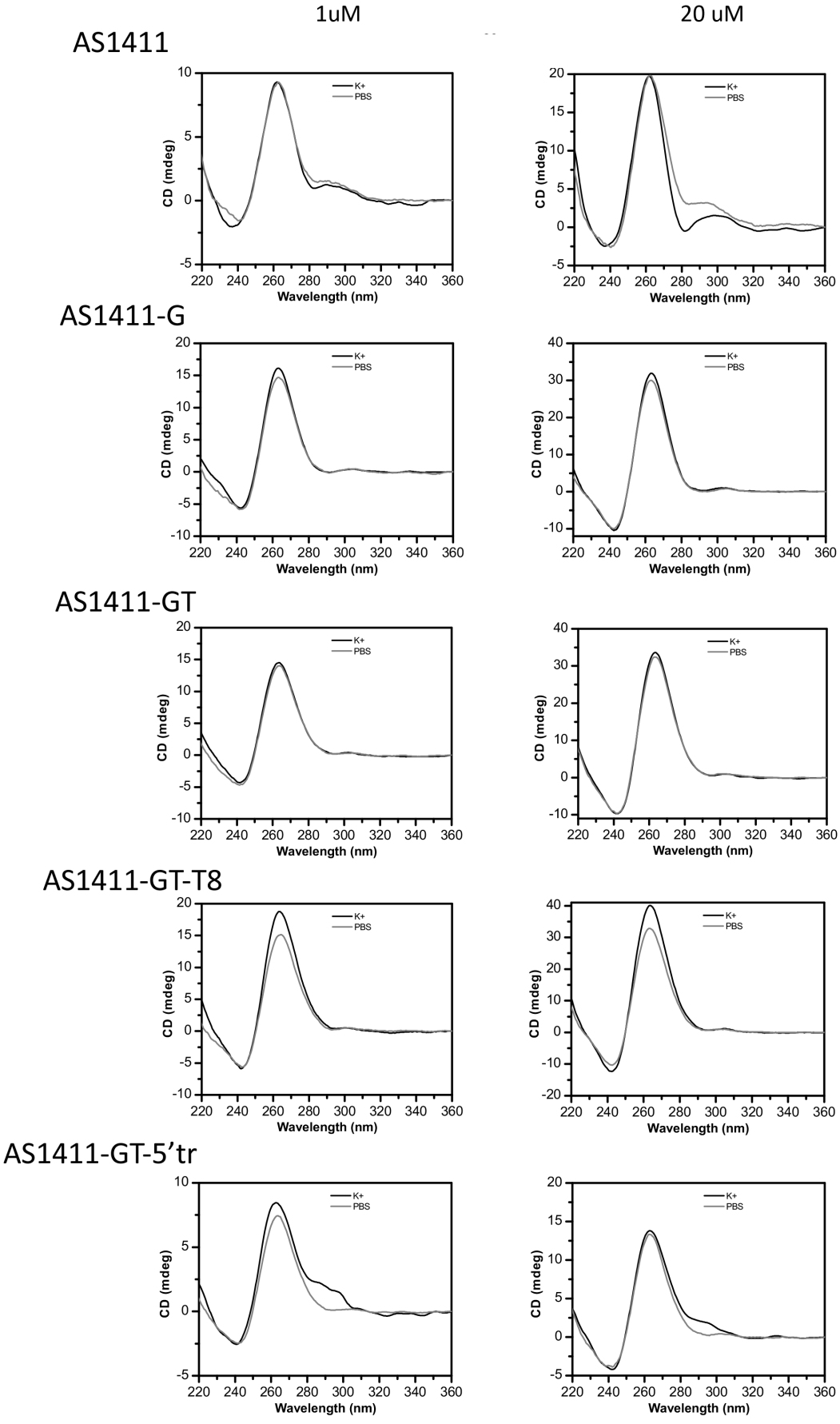

Figure S1. CD spectra of investigated oligonucleotides recorded at 20 °C.

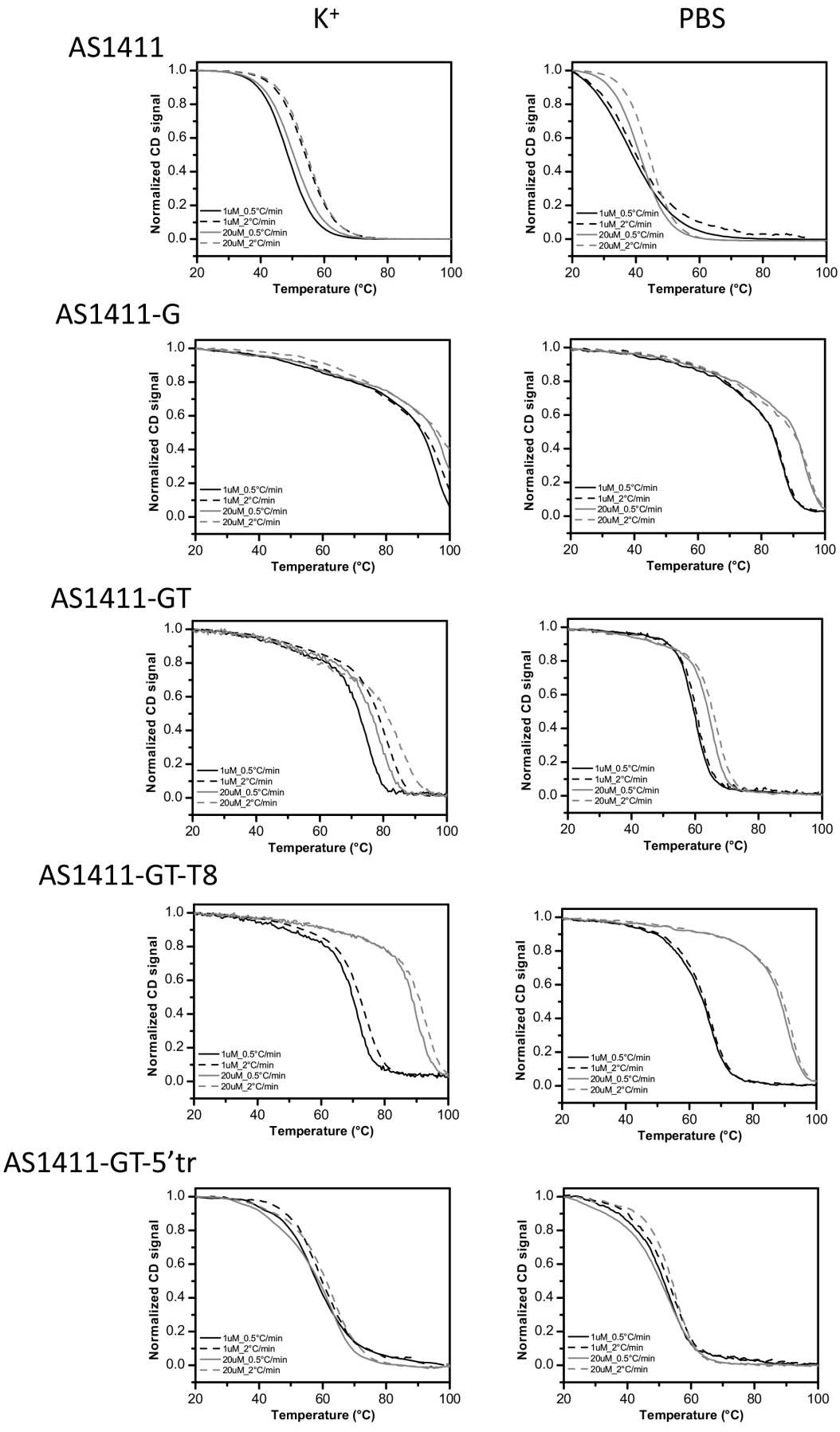

Figure S2. CD melting curves of investigated oligonucleotides recorded by following the CD signal at 263 nm.

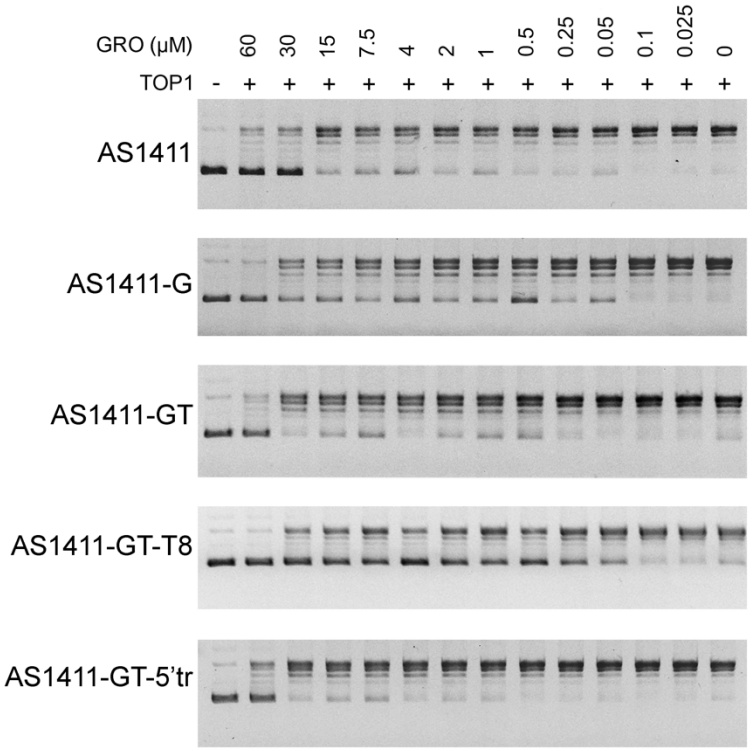

Figure S3. TOP1-catalyzed relaxation of supercoiled pUC19 plasmid in the presence of GROs. Topoisomers were separated in 1% agarose gel. The concentration of each GRO (μM) is indicated above the corresponding lane. The first lane on the left corresponds to the reaction mixture containing no enzyme. For visualization, gels were stained with ethidium bromide.

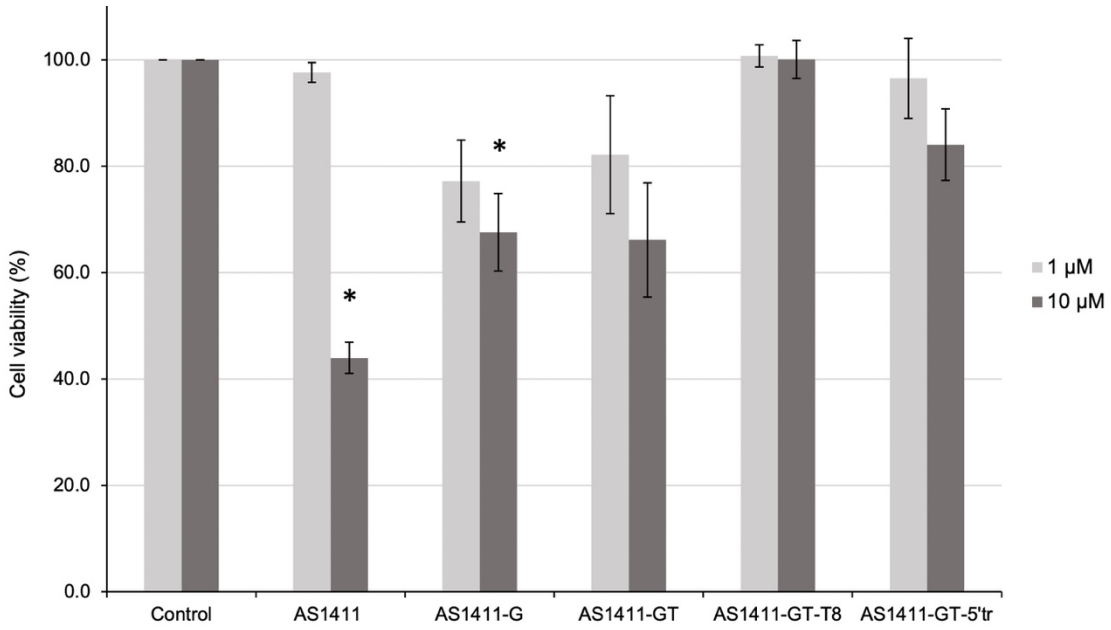

Figure S4. Effect of GROs on normal HDF cell proliferation. The cells were incubated at 37 °C in the presence of GROs at 1 or 10 μM concentration for 78 h. The results are presented as the percentage of viable cells with respect to the control (untreated cells) and are expressed as means ± SE of at least three independent experiments performed in triplicate, * $p < 0.05$.