Electronic Supplementary Information

A Study on the Telo21 G-quadruplex DNA specific binding ligand: Enhancing the molecular recognition ability via the amino group interactions

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Table S1. Sequences of oligonucleotides used in the present study

| Abbreviation | Sequence | Structure/origin |
|--------------|----------|-----------------|
| dA21         | AAAAAAAAAAAAAAAAAAAAAAAAAAA | single-stranded |
| ds26         | CAATCGGATCGAATTCGATCCGATTG | Duplex |
| telo21       | GGGTTAGGGTTAGGGTTAGGG  | Telomere G-quadruplex |
| RNA          | 16S- and 23S-Ribosomal from E. coli | Duplex |
| F21T         | FAM-d(GGG[TTAGGG]\textsubscript{3})-TAMRA | Telomere G-quadruplex |
| F10T         | FAM-dTATAGCTA-HEG-TATAGCTATAT-TAMRA | Duplex |
Figure. S1 $^1$H NMR and $^{13}$C NMR of compound 1
Figure. S2 HR-MS spectra of compound 1