Interaction of long telomeric DNAs with macrocyclic hexaazoxole ligands

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Table of Contents:
1. DNA melting assay S2.
2. ESI-MS spectrometry S3

S1
DNA melting assay

**Fig. S1** Normalized thermal melting and annealing profiles recorded at 295 nm of (TTAGGG)$_n$ (n = 4–16) in the presence of 100 mM KCl with sufficient equivalent of 2.
ESI-MS spectrometry

All measurements were carried out on a JMS-T100LC AccuTOF (JEOL), using the electrospray ionization (ESI) source in negative mode, as described previously. The measurement conditions and the sample preparation procedures were as follows: capillary needle voltage, -2.0 kV; ring lens voltage, -15 V; orifice 1 voltage, -75 V; orifice 2 voltage, 0 V; orifice 1 temperature, 80 °C; desolvation temperature, 80 °C; sample flow rate, 5 mL min⁻¹; All experiments were performed in 20 mM NH₄OAc containing 10 mM of GFOs and 40 mM of 2. Methanol (10%) was added just before injection. The role of methanol is to increase ion signals.

**Fig. S2**  ESI mass spectra of 10 µM telo24 with 40 µM monomer 2.