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Recognition and Unfolding of Human Telomeric G-quadruplex by short peptide binding identified from HRDC domain of BLM Helicase

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Note: Taniya Sharma, Nikita Kundu, and Sarvpreet Kaur share equal contribution.

Supporting Information

Table of Contents	1-2

- 1. Figure S1 ESI spectra of peptide and Figure S2 HPLC chromatogram 3
- 2. Figure S3 Thermal difference spectra of 4 μM HTPu-Var-1 G4 in buffer containing
 100 mM KCl with and without Peptide (1:40) ratio.
 4
- 3. Figure S4 Temperature dependent CD spectra of 4μM HTPu-Var-1 G4 in buffer containing 100 mM KCl with and without Peptide DNA: Peptide (1:0) (A), (1:10) (B), (1:40) (C), (1:80) (D), 1:100 (E), comparative CD melting profile of all DNA:Peptide ratio (F) ratio.
 5
- **4. Figure S5:** Native gel electrophoresis of 6 μ M HTPu-Var-1 G4 in buffer containing 100 mM KCl and DNA: Peptide ratios (1:0) Lane 2 (1:10), Lane 3 (1:20), Lane 4 (1:40), Lane 5 (1:80), Lane 6 (1:120) and (1:160) Lane 7 respectively. **6**

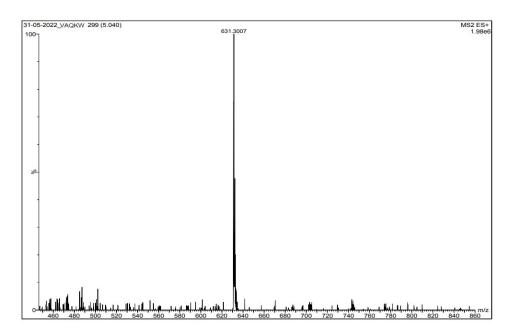
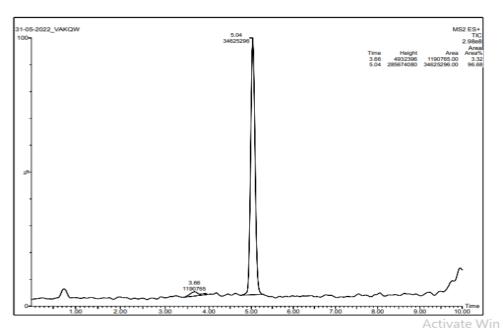


Fig. S1 ESI mass spectra of VAQKW



 $\textbf{Fig. S2} \ \text{HPLC chromatogram of } \ VAQKW$

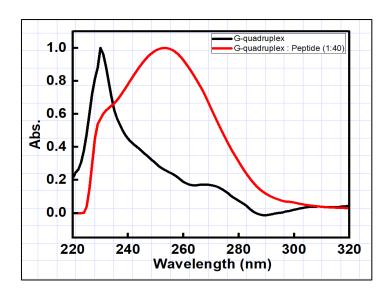


Fig. S3 Thermal difference spectra of HTPu-Var-1 G4 obtained after subtracting the lower temperature (20°C) curve from higher temperature curve (95°C) without peptide (black) and DNA:Peptide complex (1:40) red.

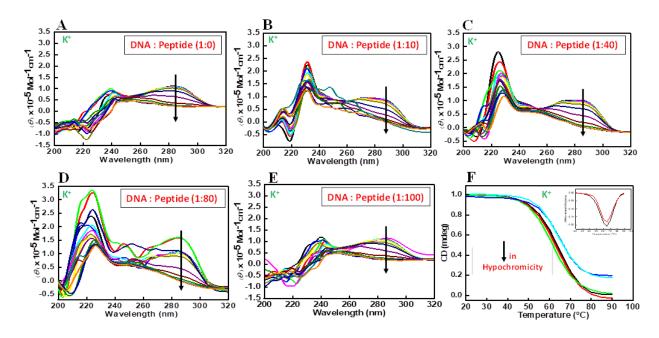


Fig. S4 Temperature dependent CD spectra of HTPu-Var-1 G DNA: Peptide (1:0) (A), (1:10) (B), (1:40) (C), (1:80) (D), (1:100) (E). Comparative CD melting profile of all DNA: Peptide ratio (F).