Electronic Supplementary Material (ESI) for RSC Advances.

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

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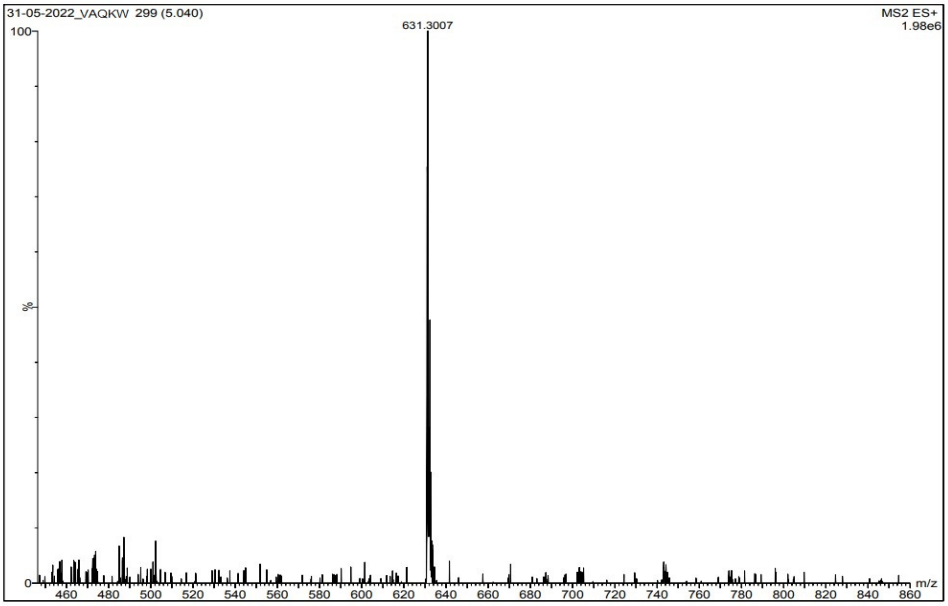

Fig. S1 ESI mass spectra of VAQKW

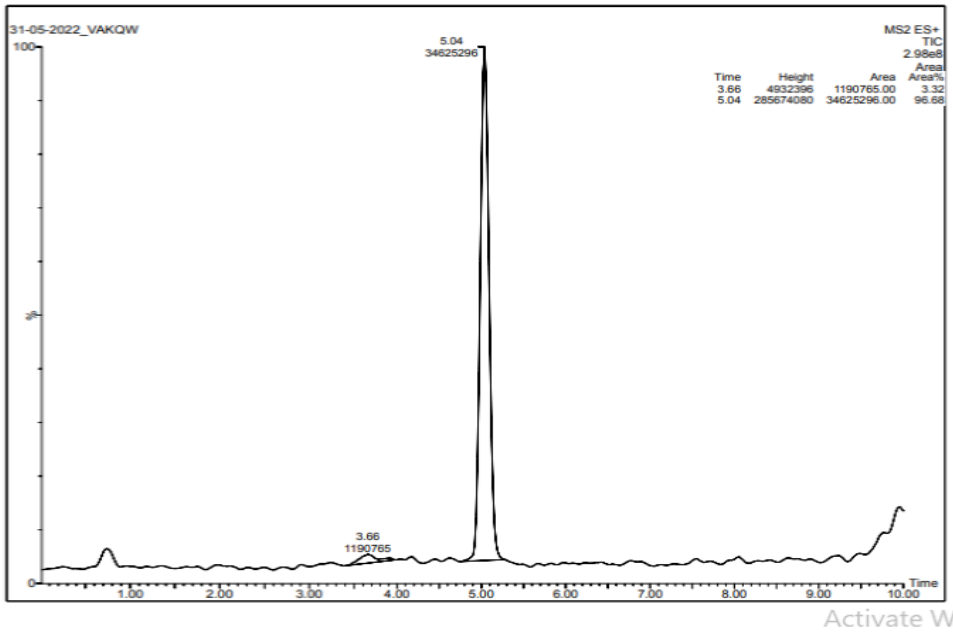

Fig. S2 HPLC chromatogram of VAQKW

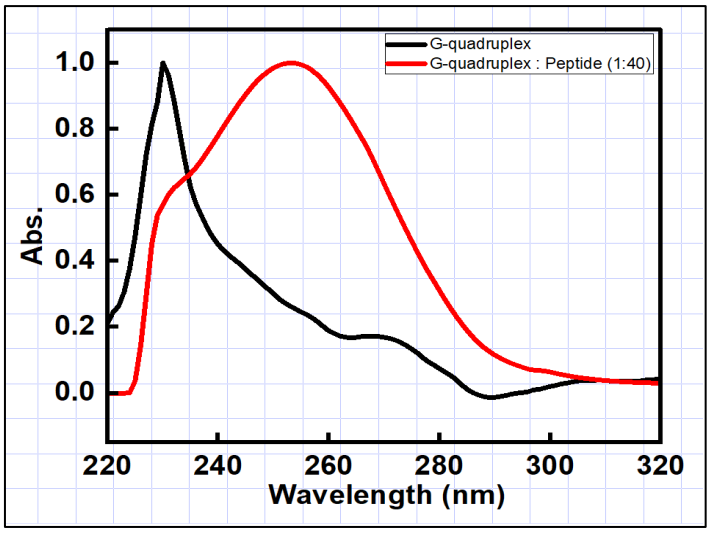

Fig. S3 Thermal difference spectra of HTPu-Var-1 G4 obtained after subtracting the lower temperature (20°C) curve from higher temperature curve (95°C) without peptide (black) and DNA:Peptide complex (1:40) red.

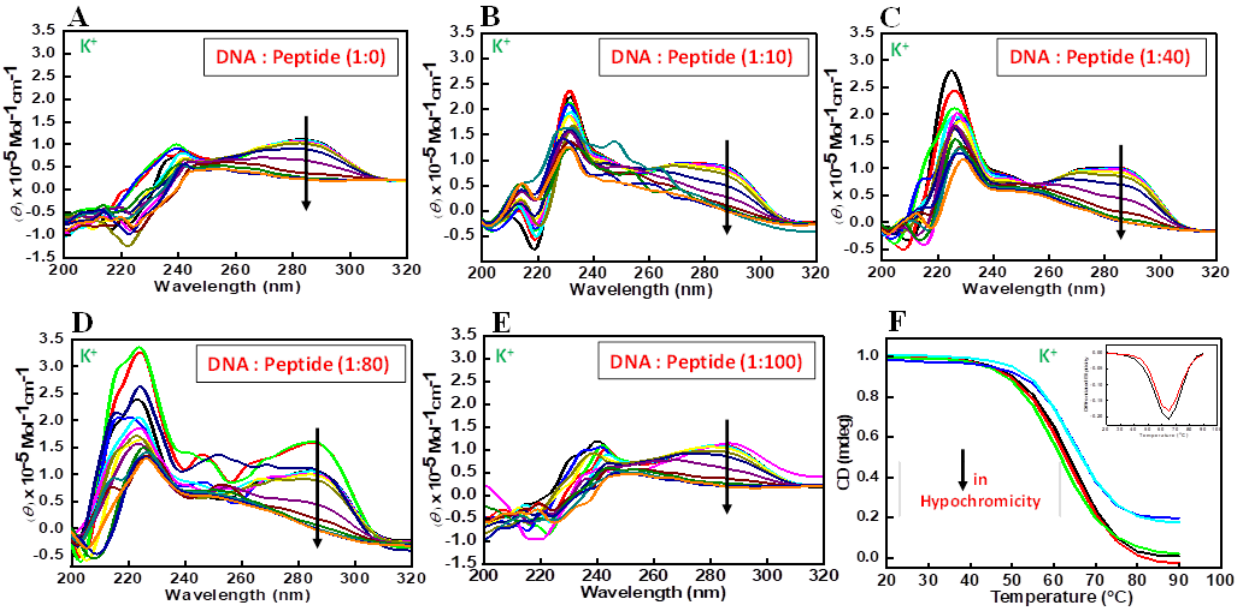

Fig. S4 Temperature dependent CD spectra of HTPu-Var-1 G DNA: Peptide (1:0) (A), (1:10) (B), (1:40) (C), (1:80) (D), (1:100) (E). Comparative CD melting profile of all DNA :Peptide ratio (F).