

Homoduplex to i-motif structural switch exhibited by a Cytosine rich strand of *MYH 7* heavy chain β gene promoter at physiological pH

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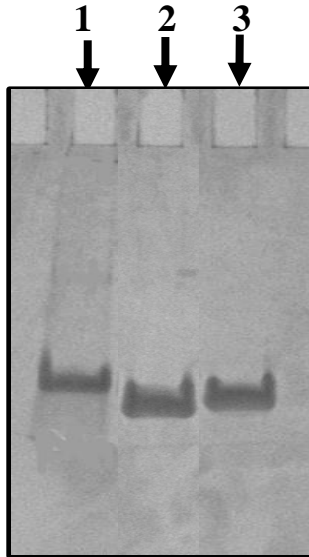


Figure S1: 20% denaturing PAGE mobility pattern of oligonucleotide sequences. lane 1: M35, lane 2: HM34C, lane 3: RM34C. in 1X TBE and 100% formamide.

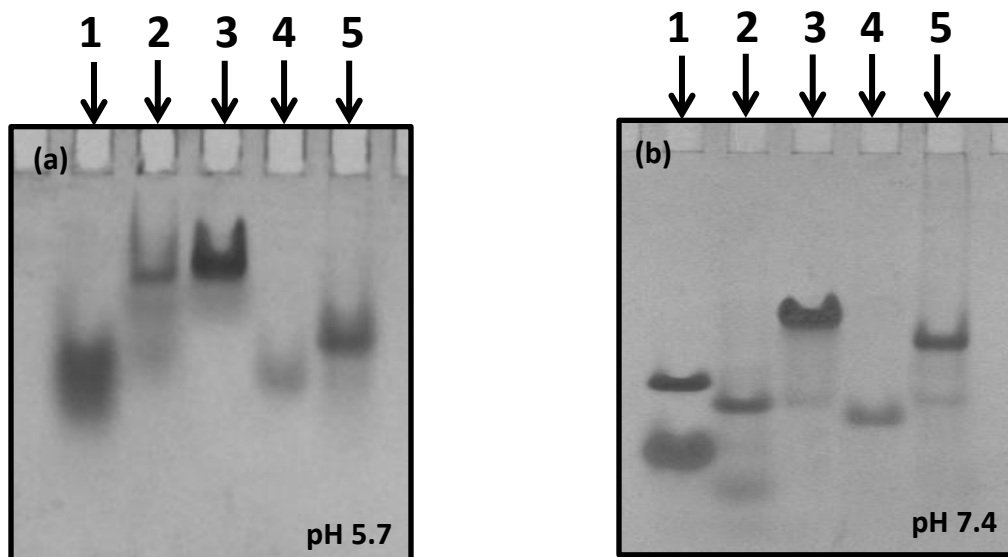


Figure S2: 15% Native PAGE mobility pattern of oligonucleotide sequences room temperature (37 °C) and varied pH. lane 1: PAL12+PAL24, lane 2: HM34C, lane 3: RM34C, lane 4: M35, lane 5: M35+M35C containing 0.1 M NaCl and 0.1 mM EDTA in 20 mM sodium cacodylate buffer at (a) pH 5.7 and (b) pH 7.4.

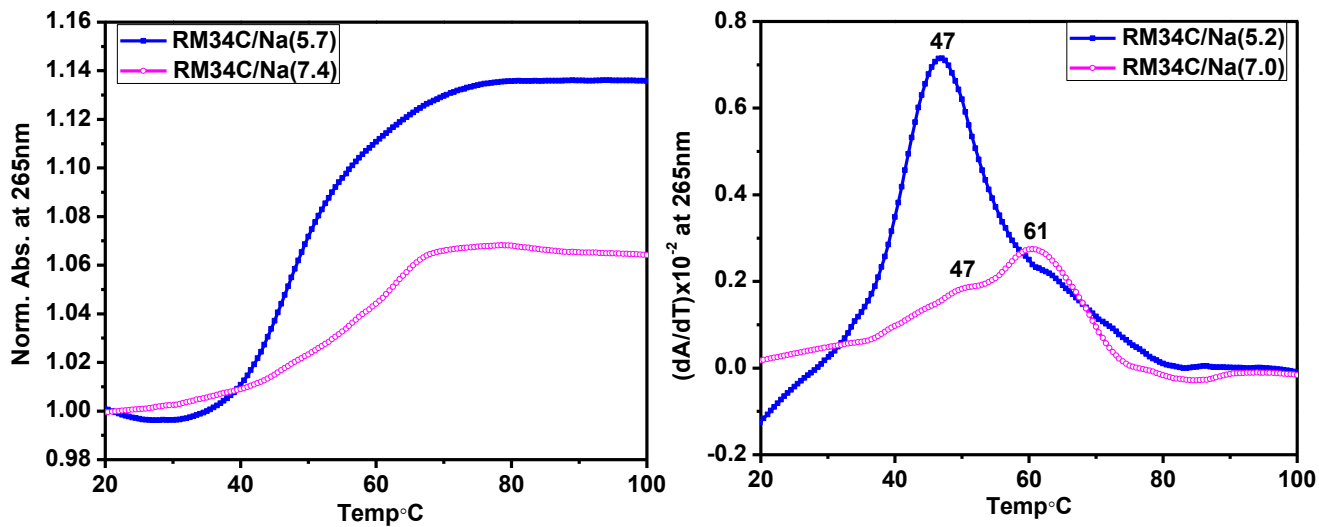


Figure S3: Thermal denaturation data of 3 μ M RM34C sequence at 265 nm. Samples were prepared in 20 mM sodium cacodylate buffer of pH 5.7 and 7.4 containing 100 mM NaCl and 0.1 mM EDTA respectively.