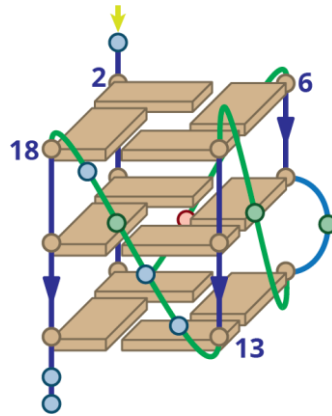



# 5I2V

Sequence (5' to 3')	$\epsilon_{260nm}$ ( $M^{-1}cm^{-1}$ )	DOI
AGGCGGTGTGGGAATAGGGAA	233100	10.1074/jbc.M117.781906



## Legend

 strand direction  
(5' to 3')

**1 2** nucleotide number  
(5' to 3')

 5' end

 loop

 syn

 anti

 ligand

 adenine

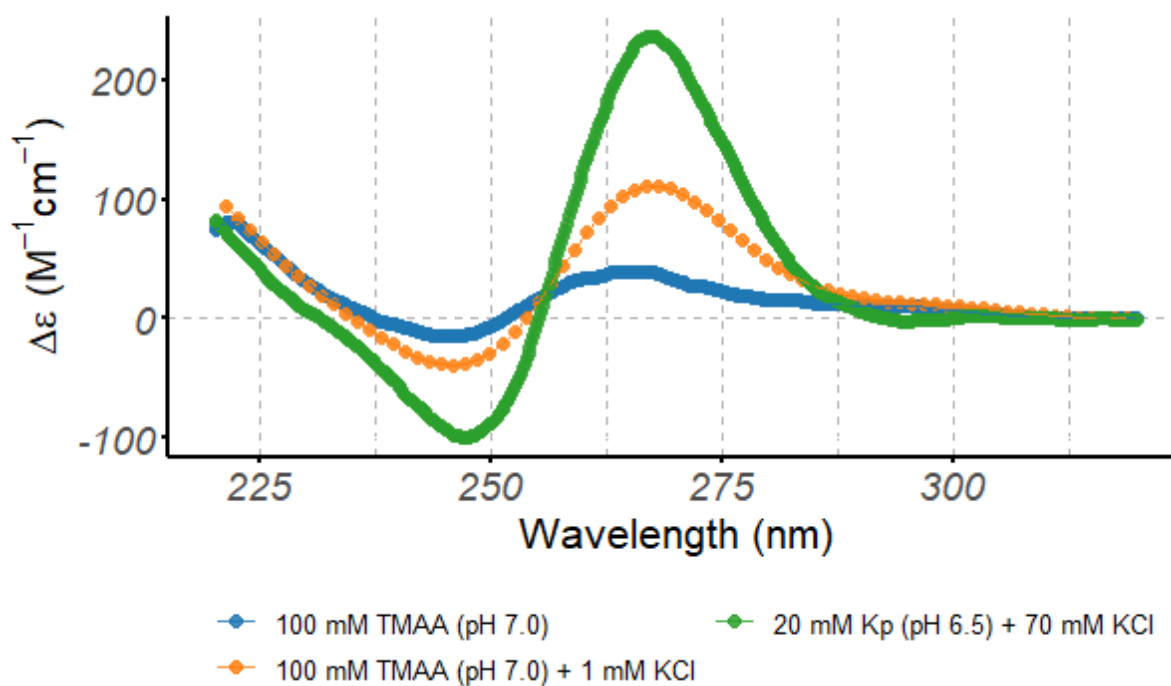
 cytosine

 G-quartet guanine

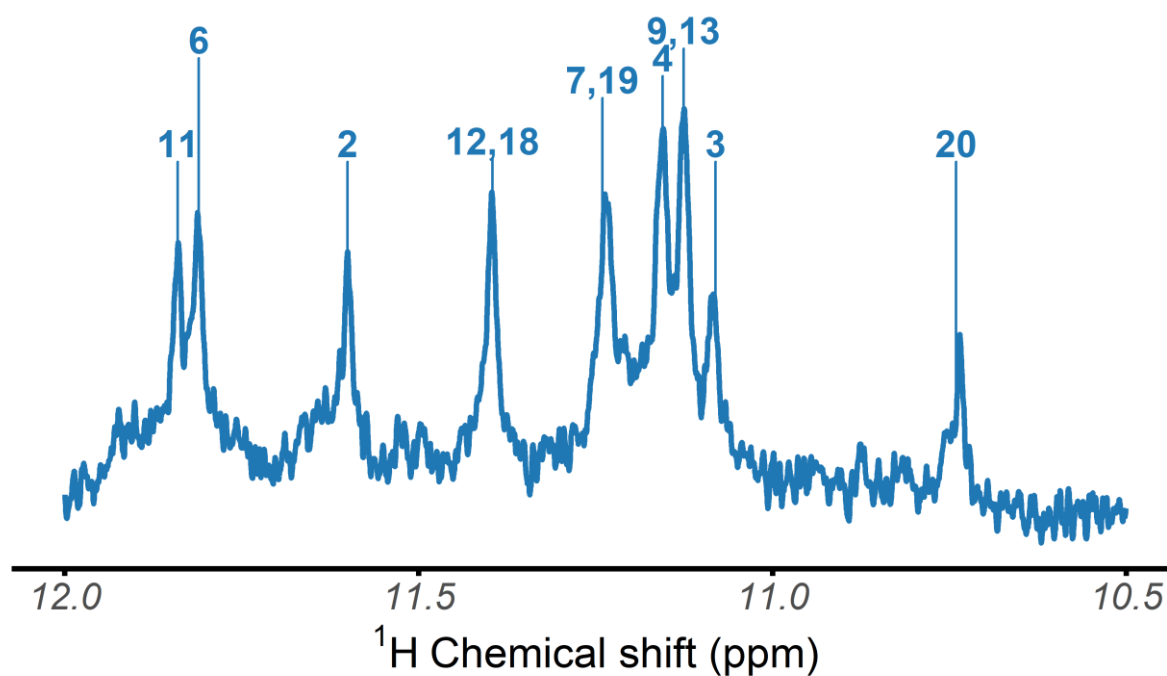
 not-G-quartet guanine

 thymine

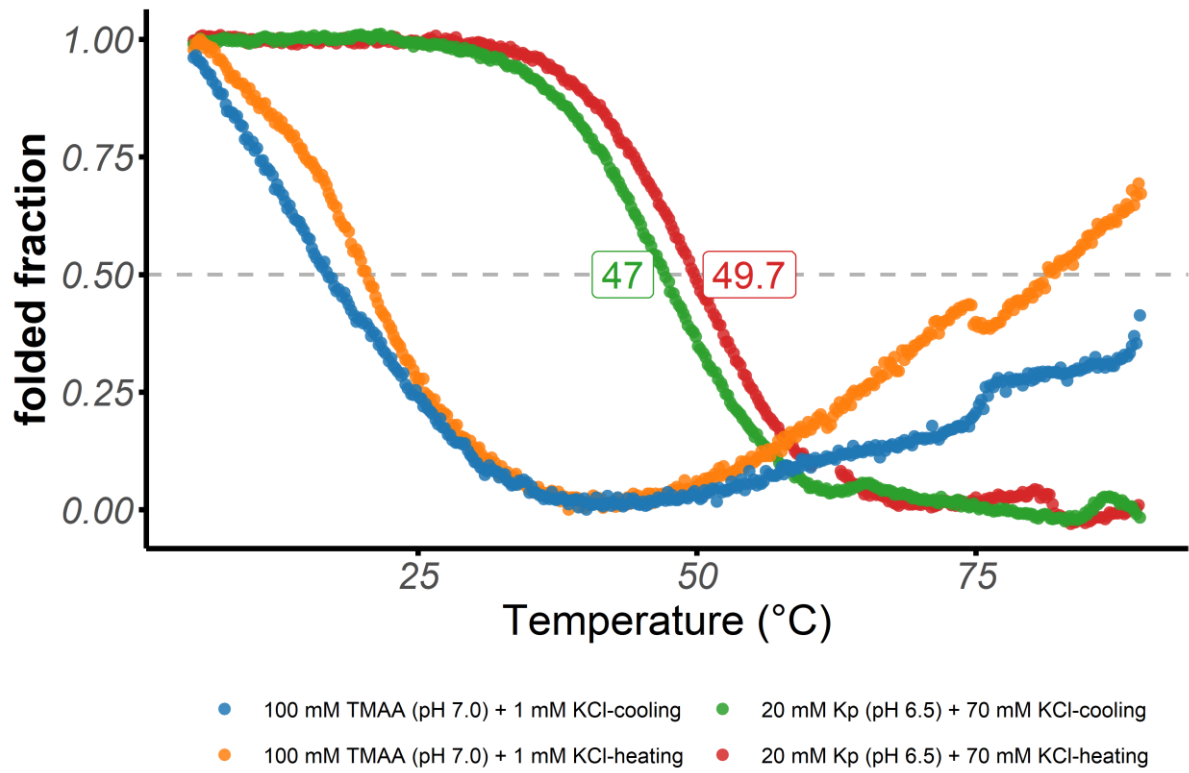
Structure diagram of 5I2V



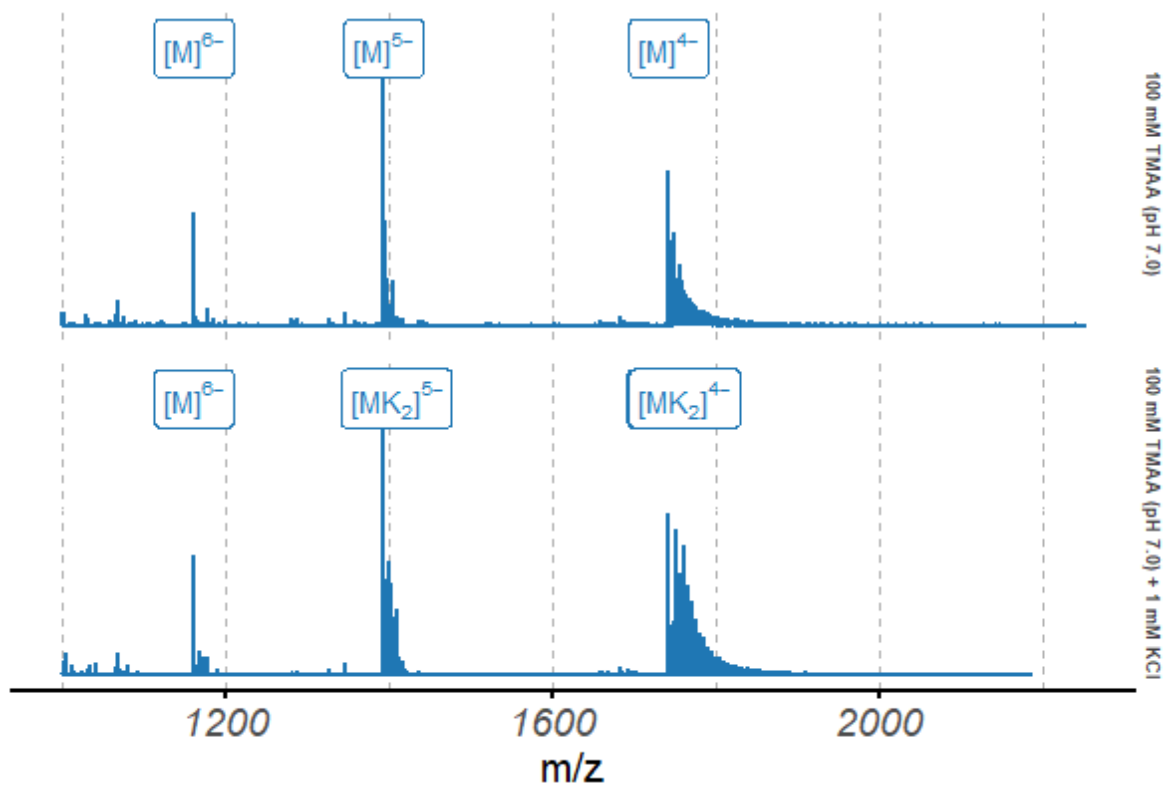
Circular dichroism spectra of the 5I2V oligonucleotide (10  $\mu$ M), acquired at 25°C in 0.4-cm path-length cuvettes



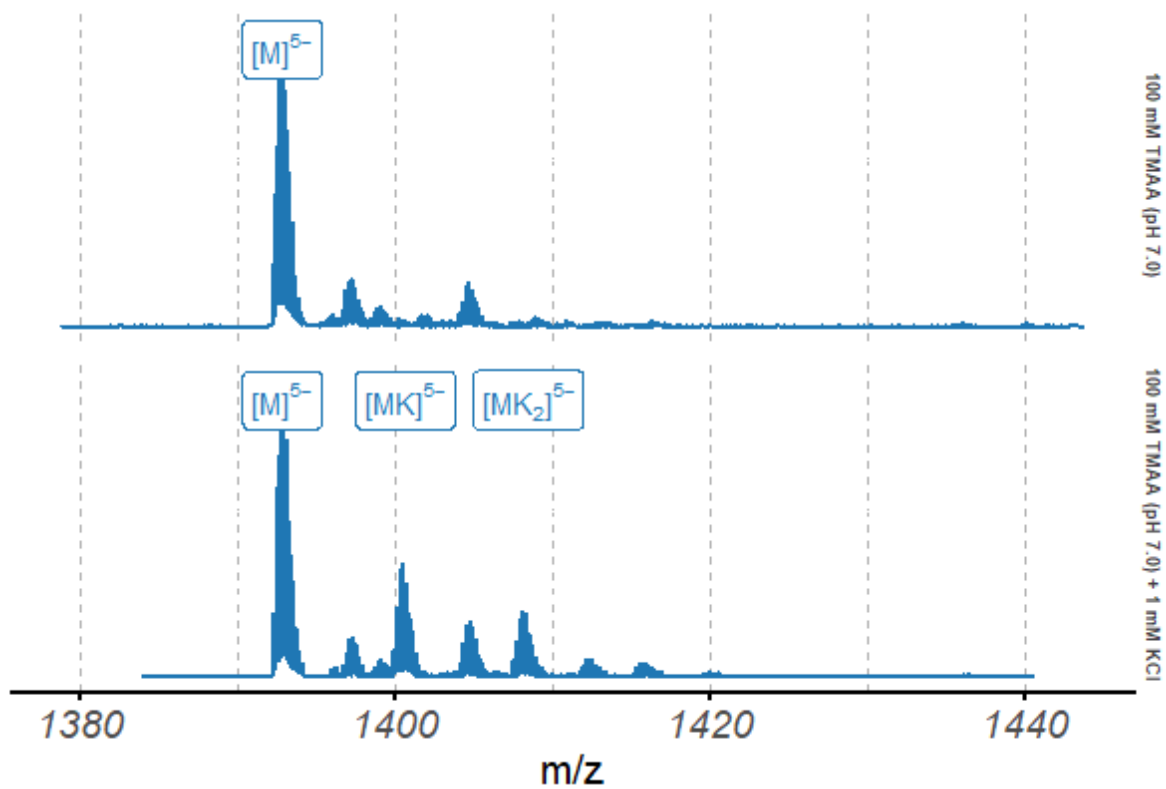
$^1\text{H}$ -NMR spectrum of the 5I2V oligonucleotide, acquired at 25°C in 100 mM TMAA (pH 7.0) + 1 mM KCl



*Folded fraction of the 5I2V oligonucleotide as a function of temperature, determined by UV-melting ( $\lambda = 295 \text{ nm}$ )*



Native ESI-MS spectra of the 5I2V oligonucleotide (10  $\mu$ M)



Native ESI-MS spectra of the 5I2V oligonucleotide (10  $\mu$ M), focused on the 5<sup>-</sup> charge state