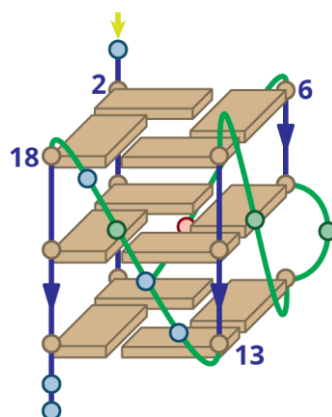


## 5I2V

Sequence (5' to 3')	$\epsilon_{260nm}$ ( $M^{-1}cm^{-1}$ )	DOI
AGGGCGGTGTGGGAATAGGGAA	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

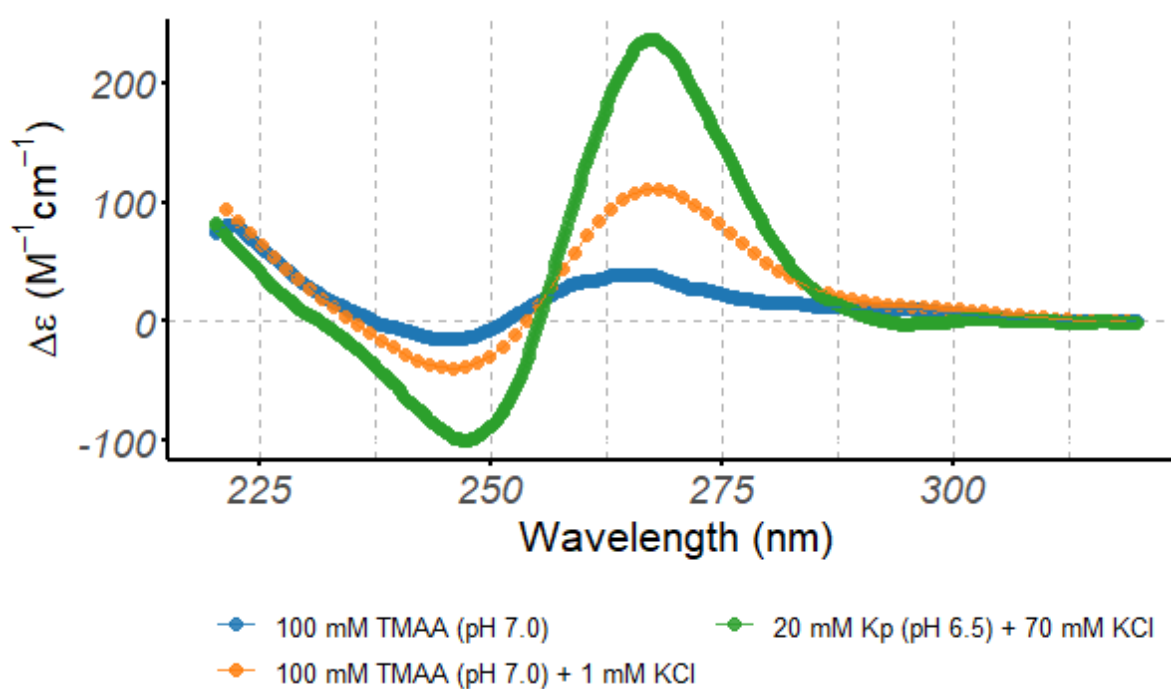
● cytosine

● G-quartet guanine

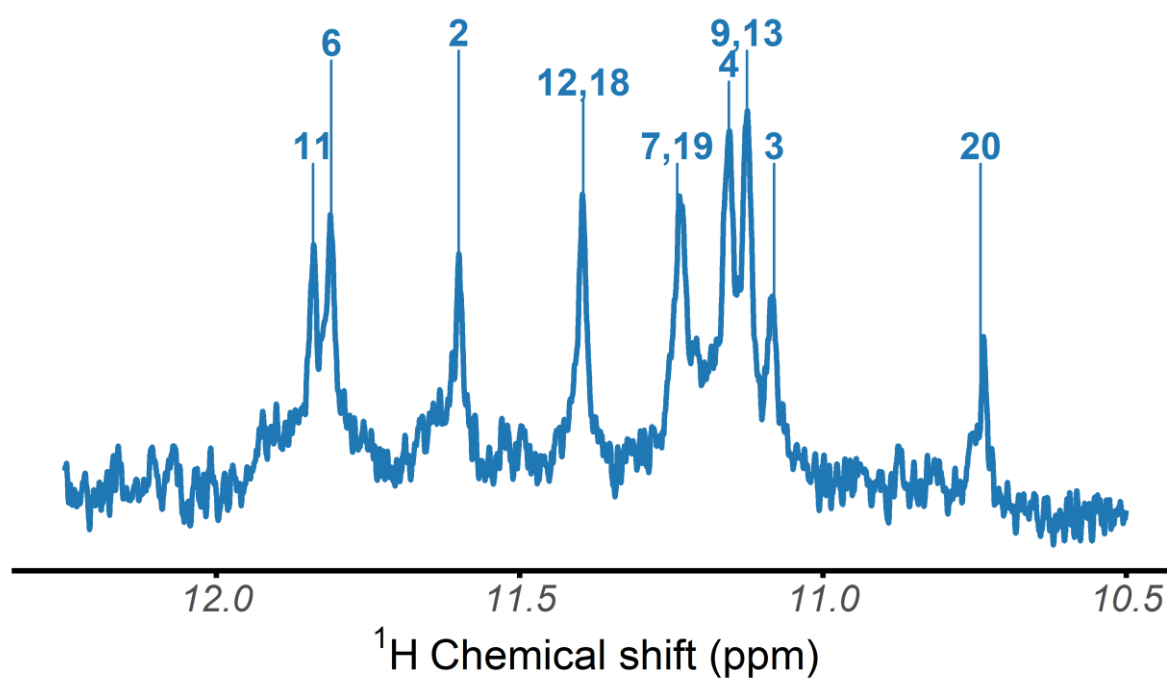
● not-G-quartet guanine

● thymine

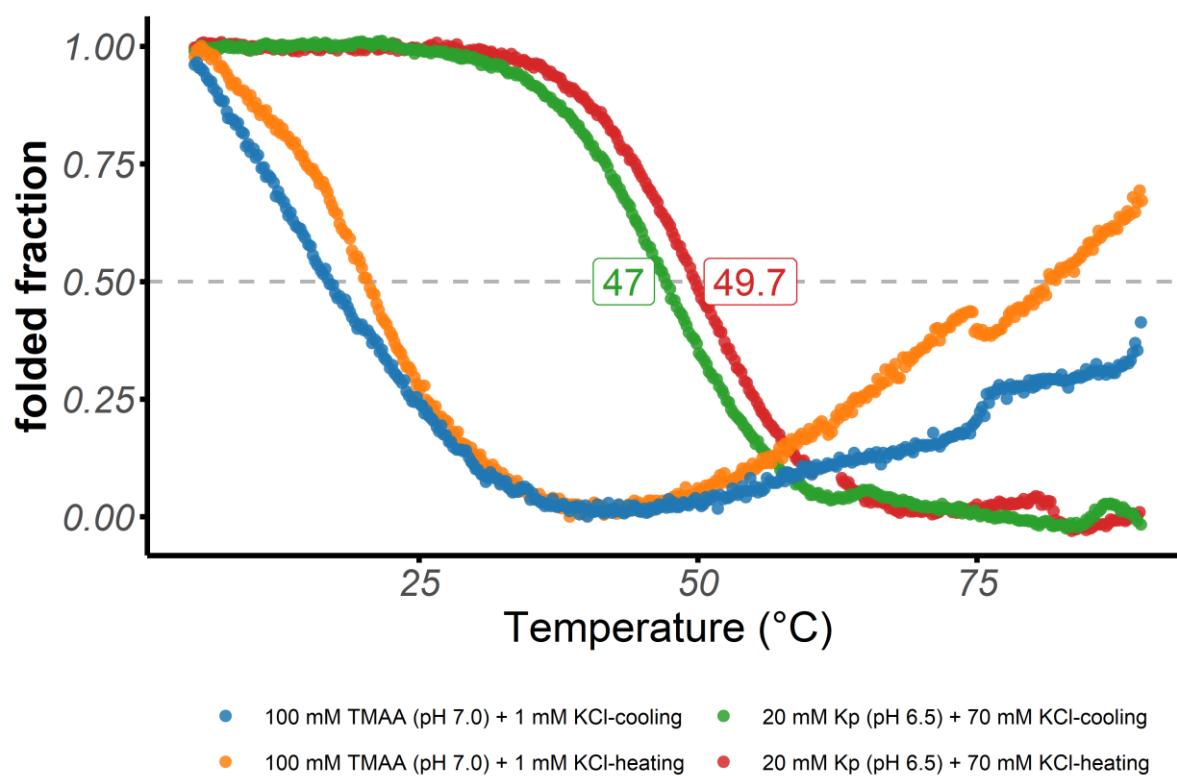
Structure diagram of 5I2V



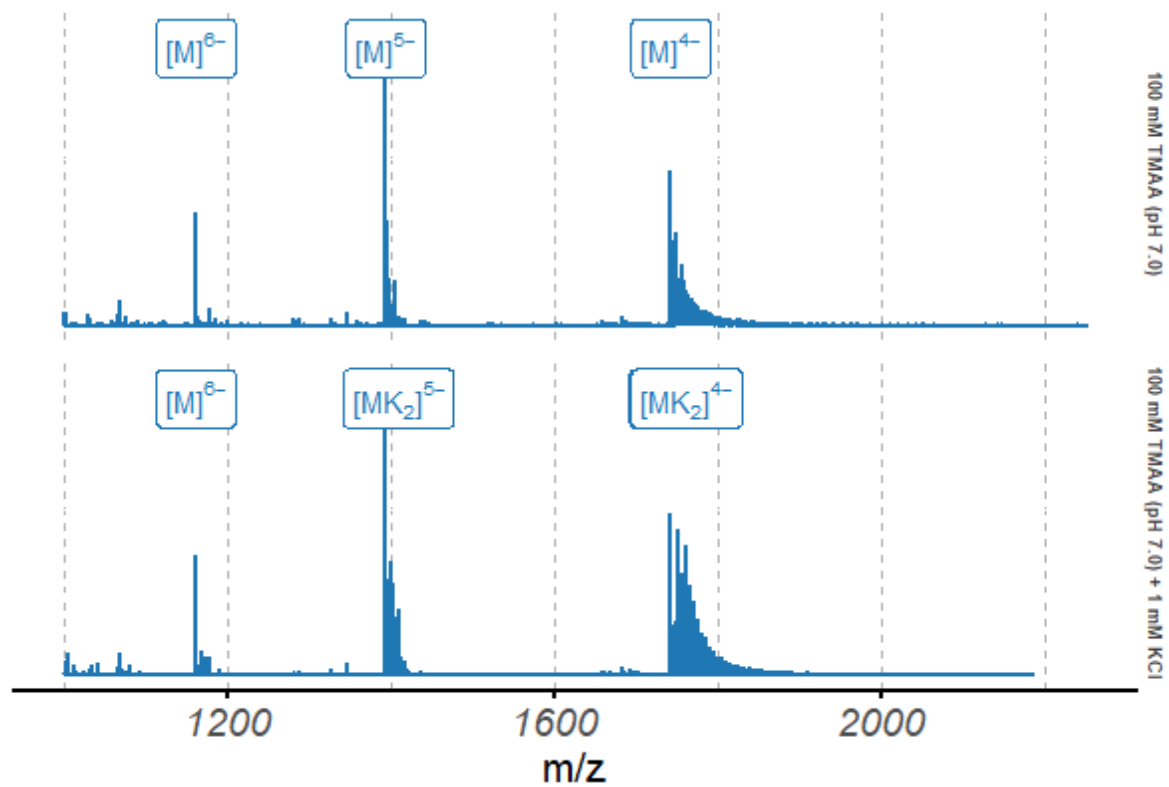
Circular dichroism spectra of the 5I2V oligonucleotide (10  $\mu\text{M}$ ), acquired at 25°C in 0.4-cm path-length cuvettes



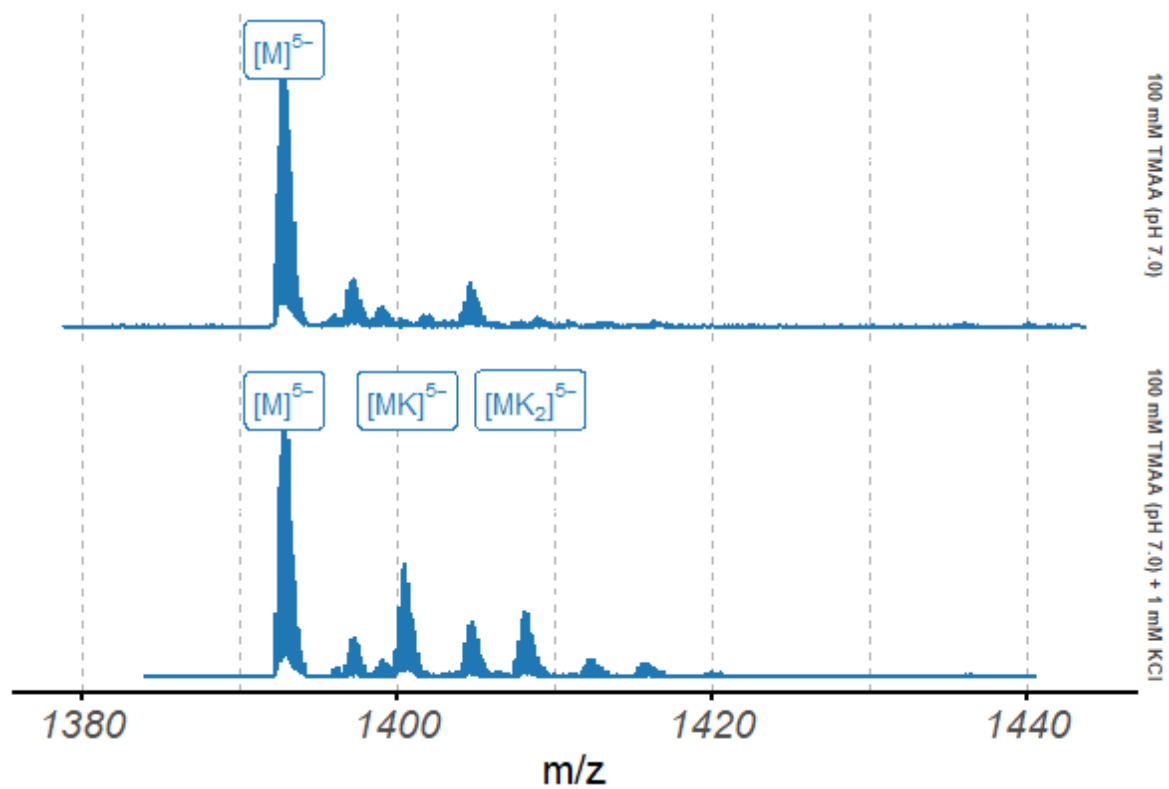
$^1\text{H}$ -NMR spectrum of the 5I2V oligonucleotide, acquired at 25°C in 100 mM TMAA (pH 7.0) + 1 mM KCl



*Folded fraction of the 5I2V oligonucleotide as a function of temperature, determined by UV-melting ( $\lambda = 295$  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 $^-$  charge state