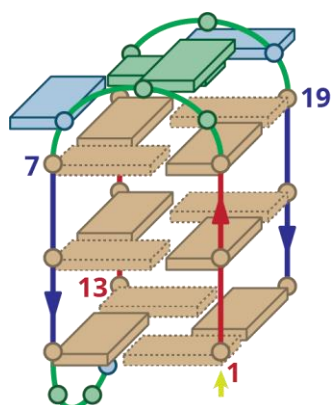


## 5YEY

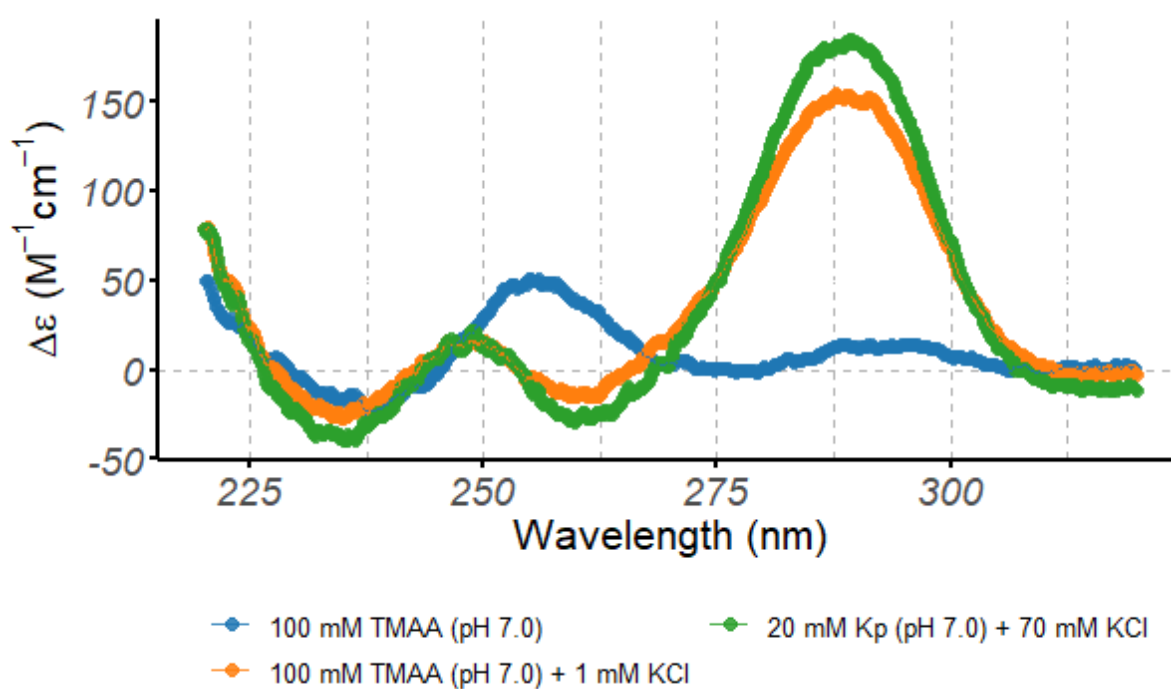
Sequence (5' to 3')	$\epsilon_{260nm}$ ( $M^{-1}cm^{-1}$ )	DOI
GGGTTAGGGTTAGGGTTTGGG	209100	10.1039/c8sc03813a



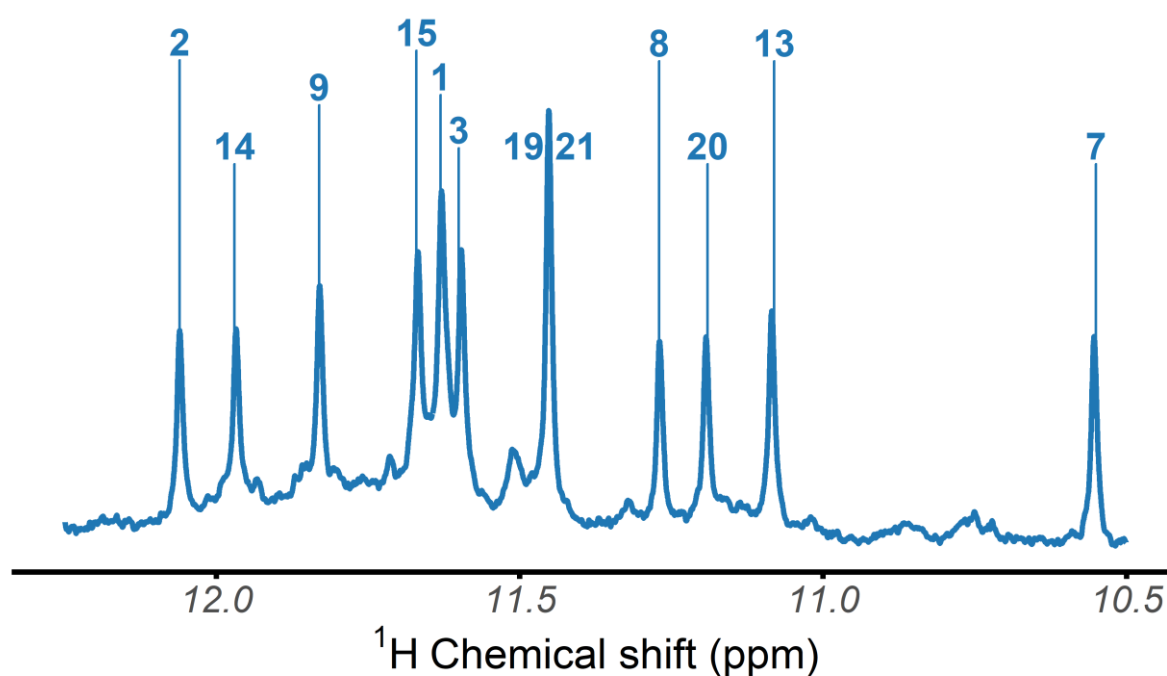
### Legend

- strand direction (5' to 3')
- nucleotide number (5' to 3')
- 5' end
- loop
- syn
- anti
- adenine
- cytosine
- G-quartet guanine
- not-G-quartet guanine
- thymine

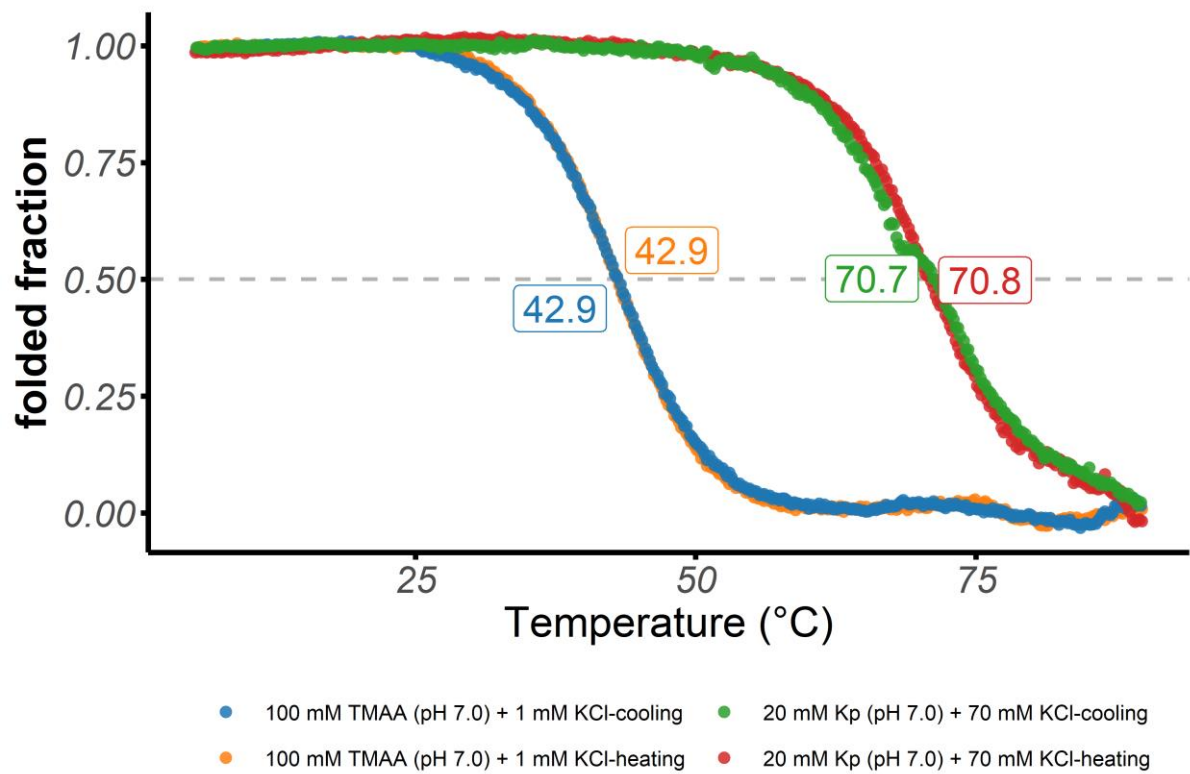
Structure diagram of 5YEY



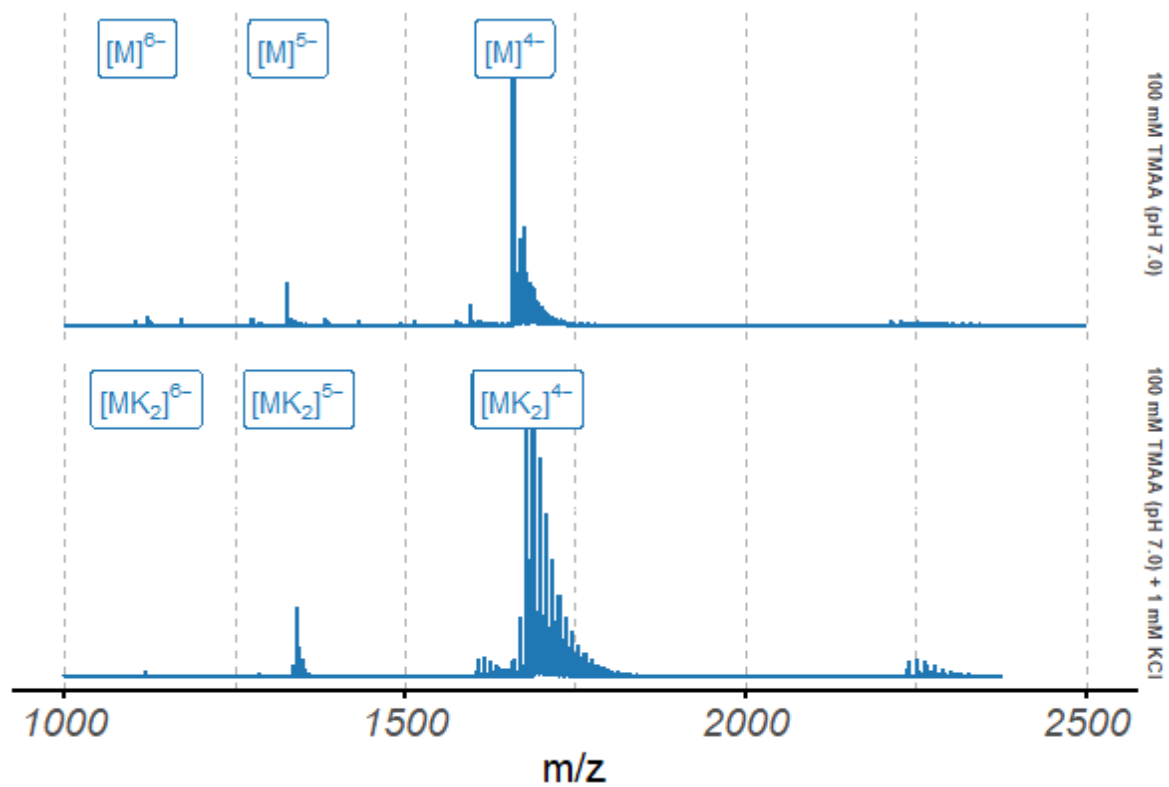
*Circular dichroism spectra of the 5YFY oligonucleotide (10  $\mu M$ ), acquired at 25°C in 0.2-cm path-length cuvettes*



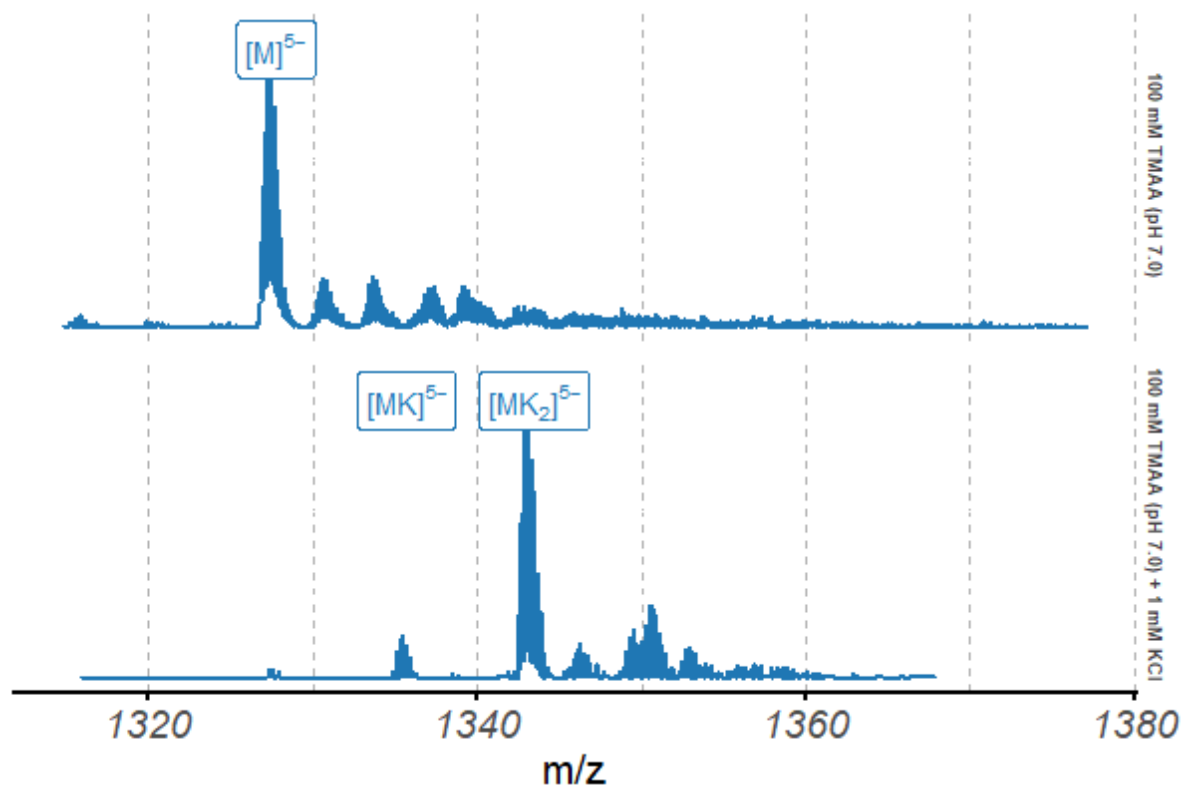
*$^1H$ -NMR spectrum of the 5YFY oligonucleotide, acquired at 25°C in 100 mM TMAA (pH 7.0) + 1 mM KCl*



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



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



Native ESI-MS spectra of the 5YFY oligonucleotide (10  $\mu$ M), focused on the  $5^-$  charge state