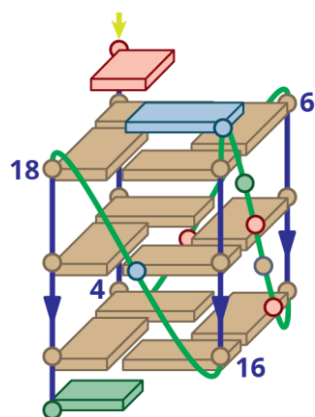














## 2KYP

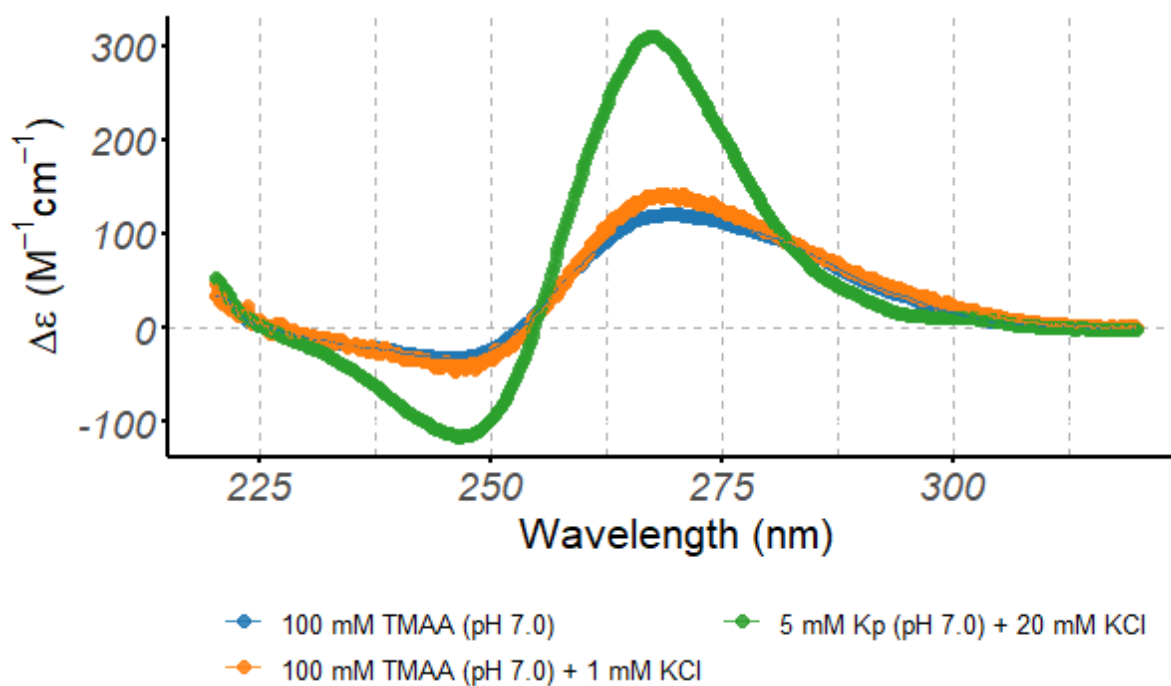
Sequence (5' to 3')	$\epsilon_{260nm}$ ( $M^{-1}cm^{-1}$ )	DOI
CGGGCGGGCGCTAGGGAGGGT	202200	10.1093/nar/gkq558



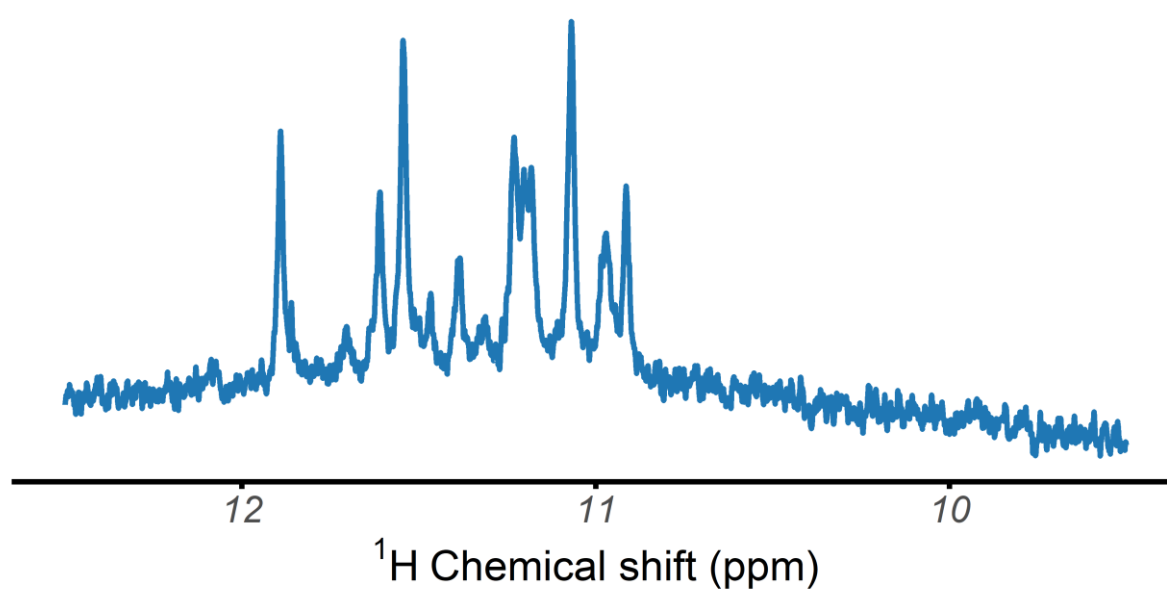
### Legend

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

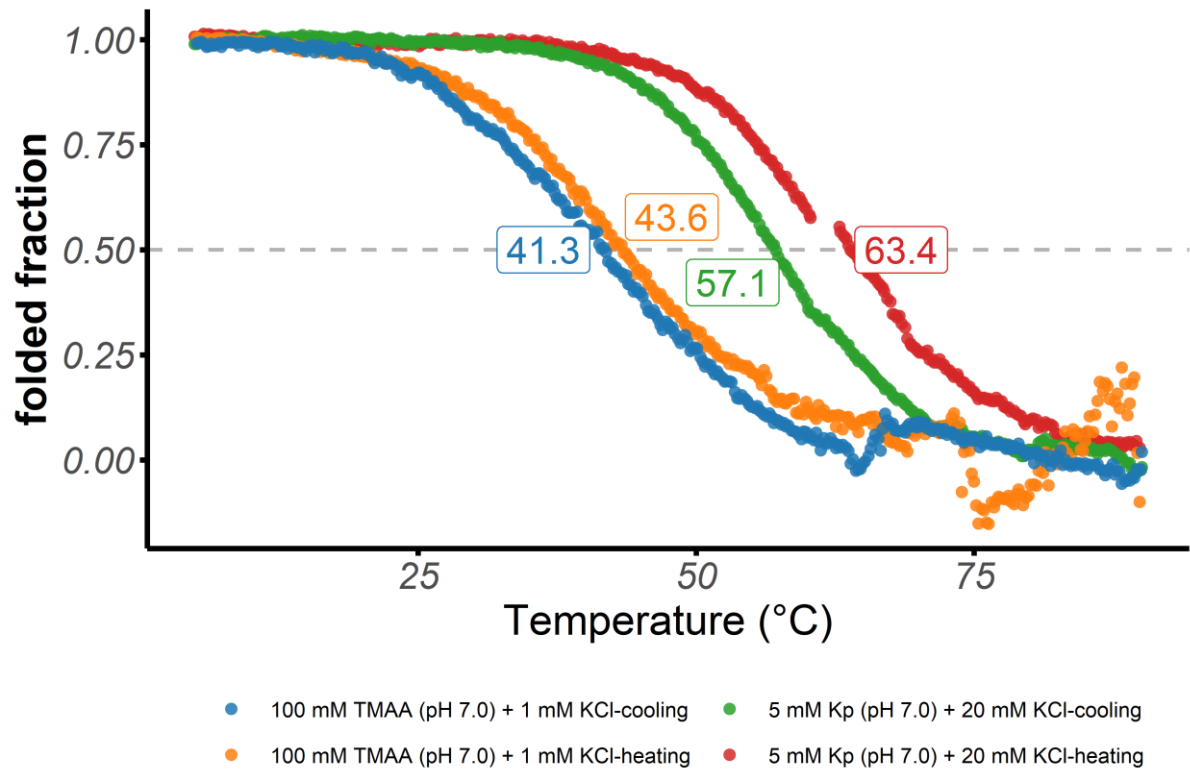
Structure diagram of 2KYP



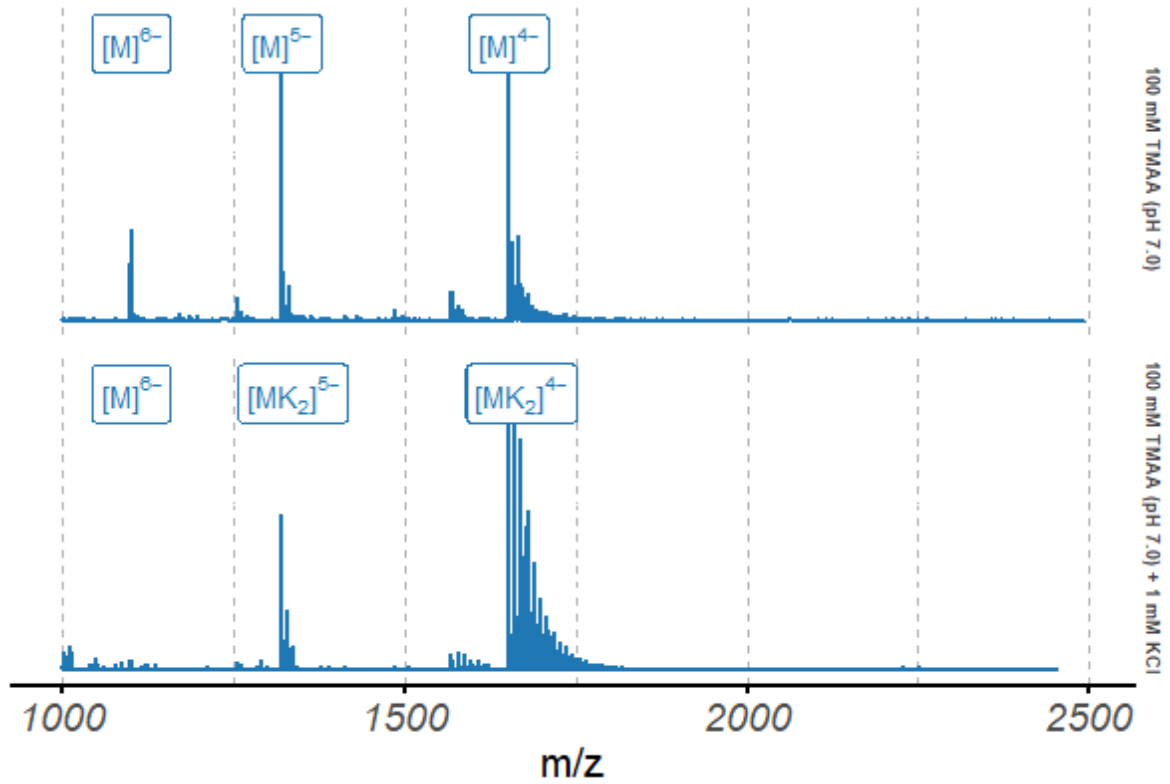
*Circular dichroism spectra of the 2KYP oligonucleotide (10  $\mu$ M), acquired at 25°C in 0.4-cm path-length cuvettes*



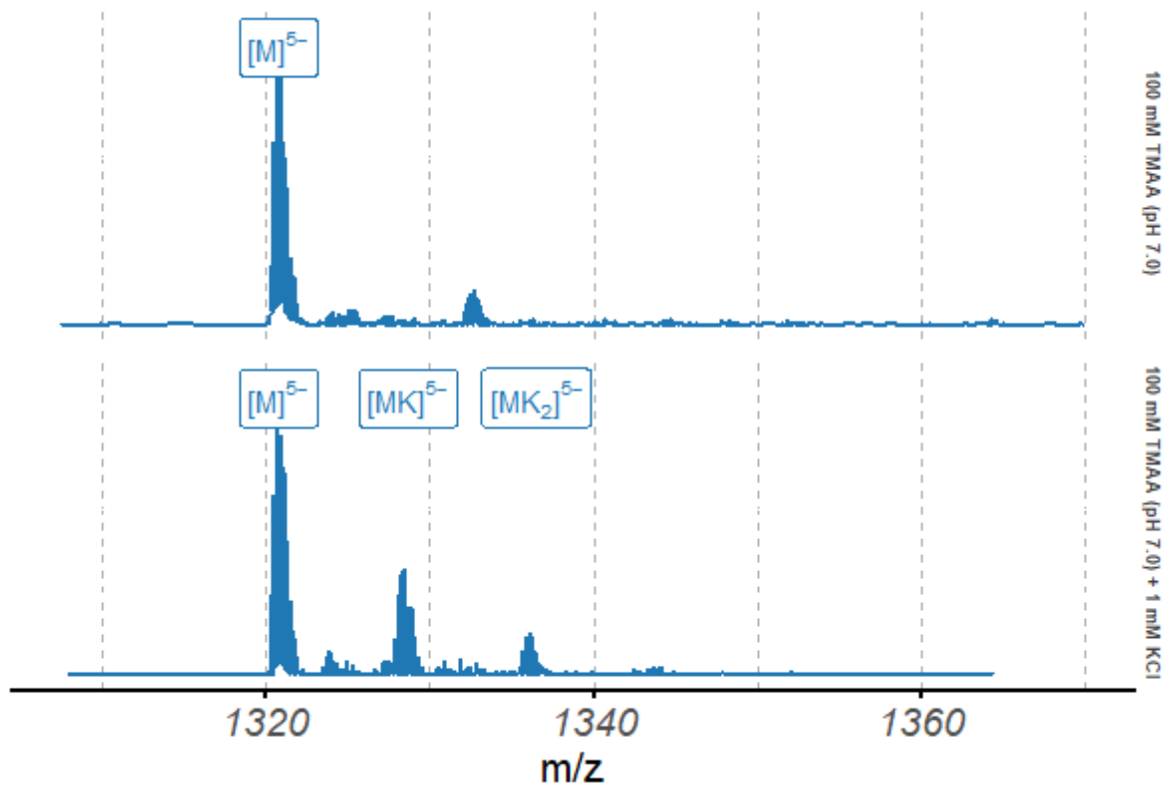
*$^1$ H-NMR spectrum of the 2KYP oligonucleotide, acquired at 25°C in 100 mM TMAA (pH 7.0) + 1 mM KCl*



*Folded fraction of the 2KYP oligonucleotide as a function of temperature, determined by UV-melting ( $\lambda = 295 \text{ nm}$ )*



Native ESI-MS spectra of the 2KYP oligonucleotide (10  $\mu$ M)



Native ESI-MS spectra of the 2KYP oligonucleotide (10  $\mu$ M), focused on the  $5^-$  charge state