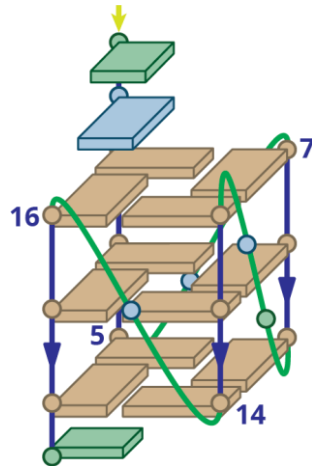


## 2LBY

Sequence (5' to 3')	$\epsilon_{260nm}$ ( $M^{-1}cm^{-1}$ )	DOI
TAGGGAGGGTAGGGAGGGT	201700	10.1093/nar/gkr612



### Legend

strand direction  
(5' to 3')

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

5' end

loop

syn

anti

ligand

adenine

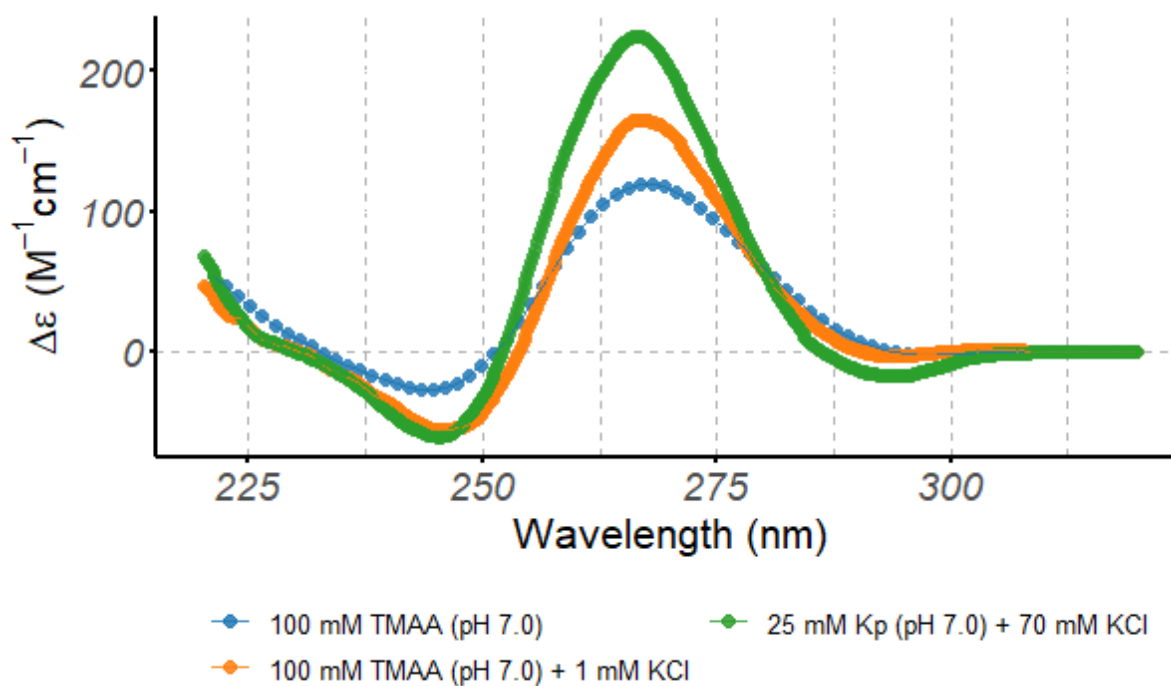
cytosine

G-quartet guanine

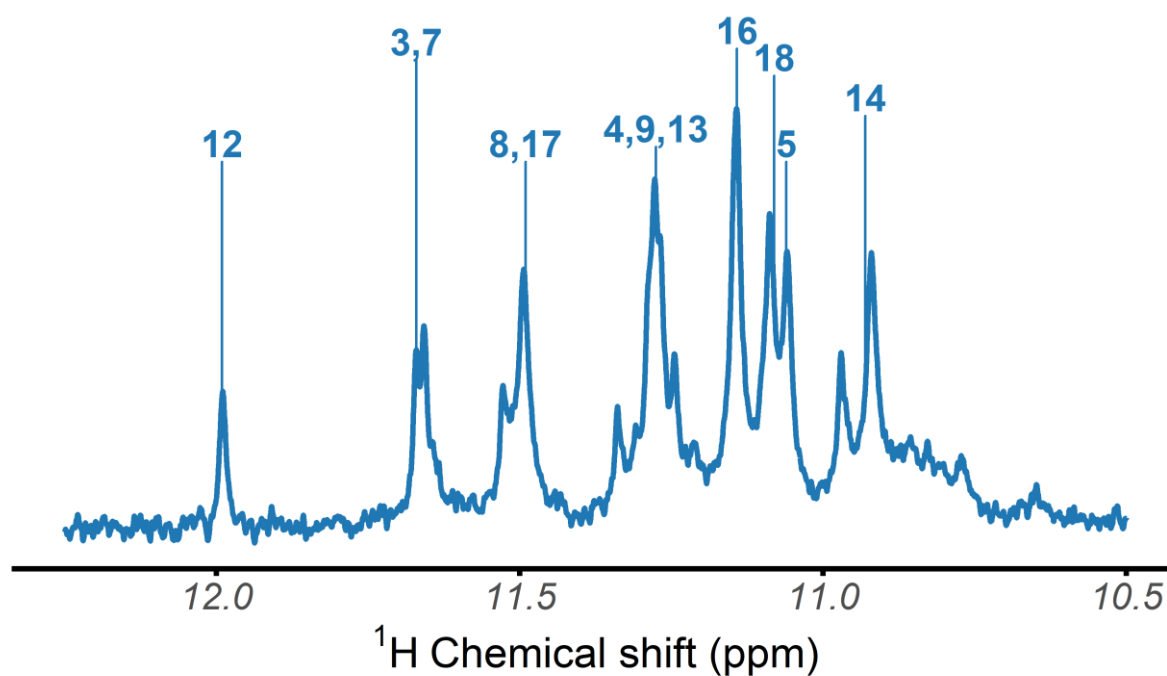
not-G-quartet guanine

thymine

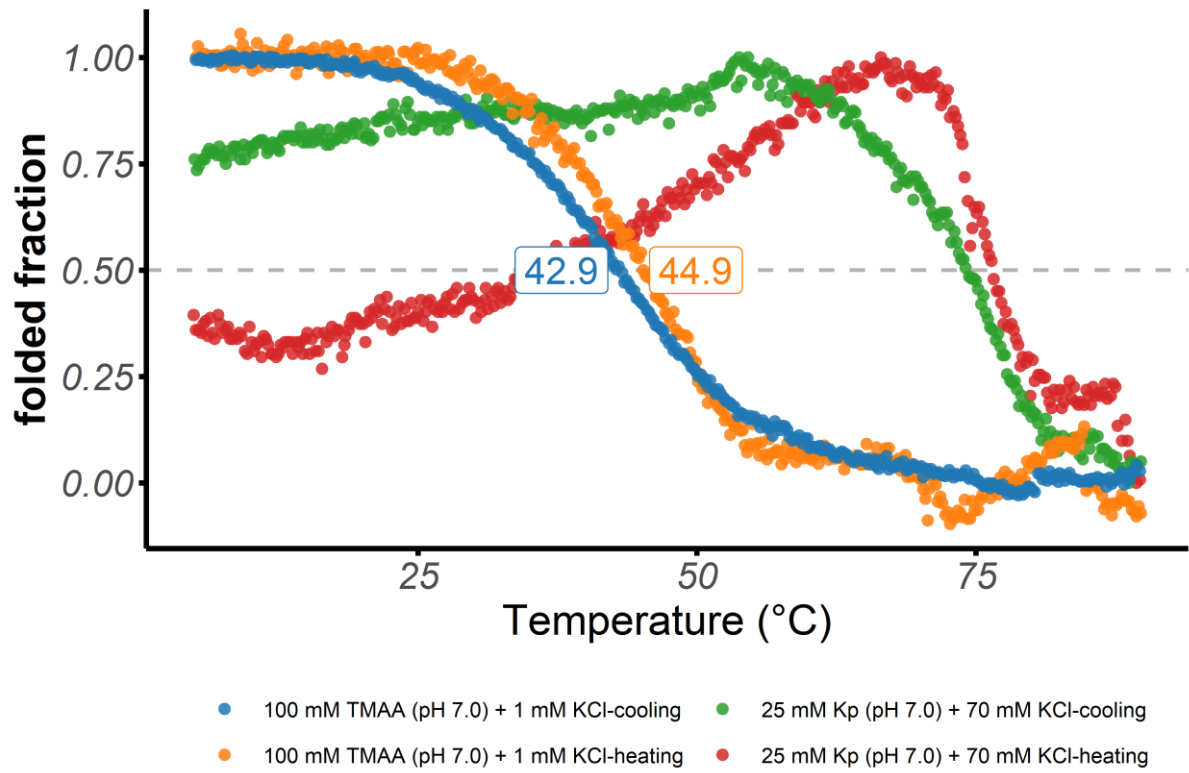
*Structure diagram of 2LBY*



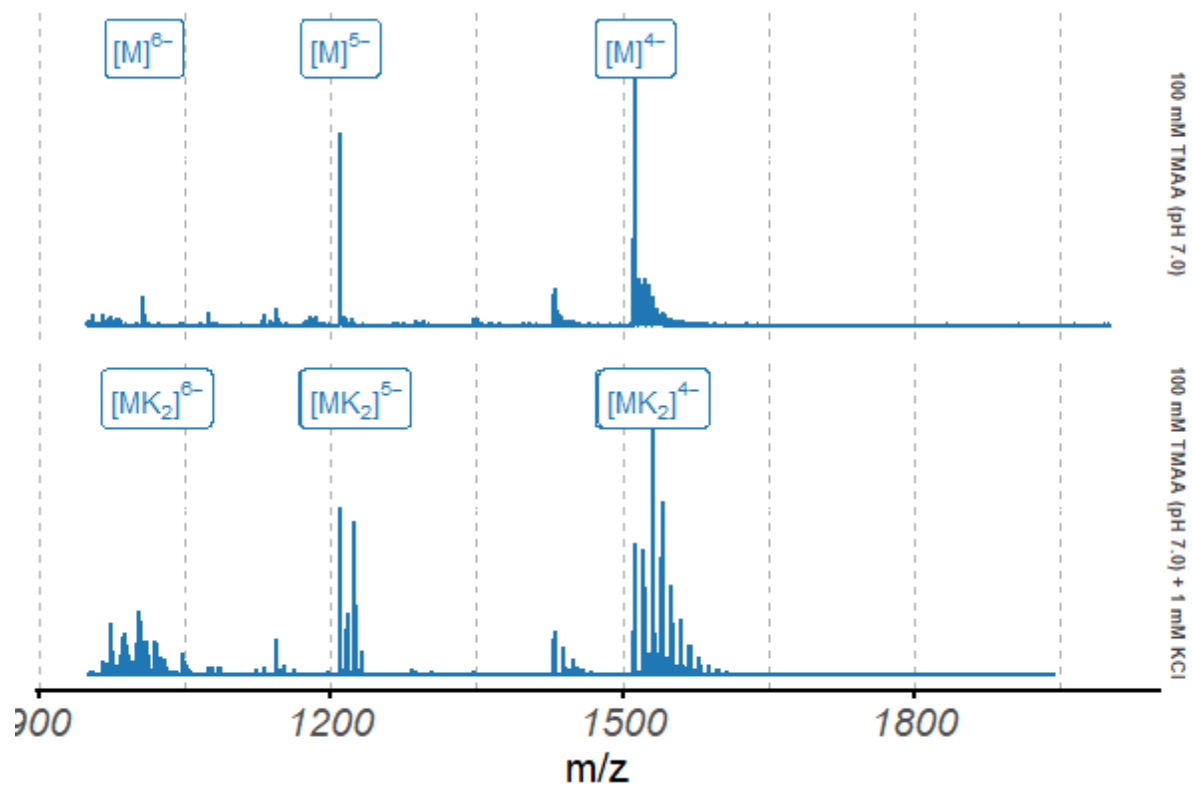
Circular dichroism spectra of the 2LBY oligonucleotide (10  $\mu$ M), acquired at 25°C in 0.4-cm path-length cuvettes



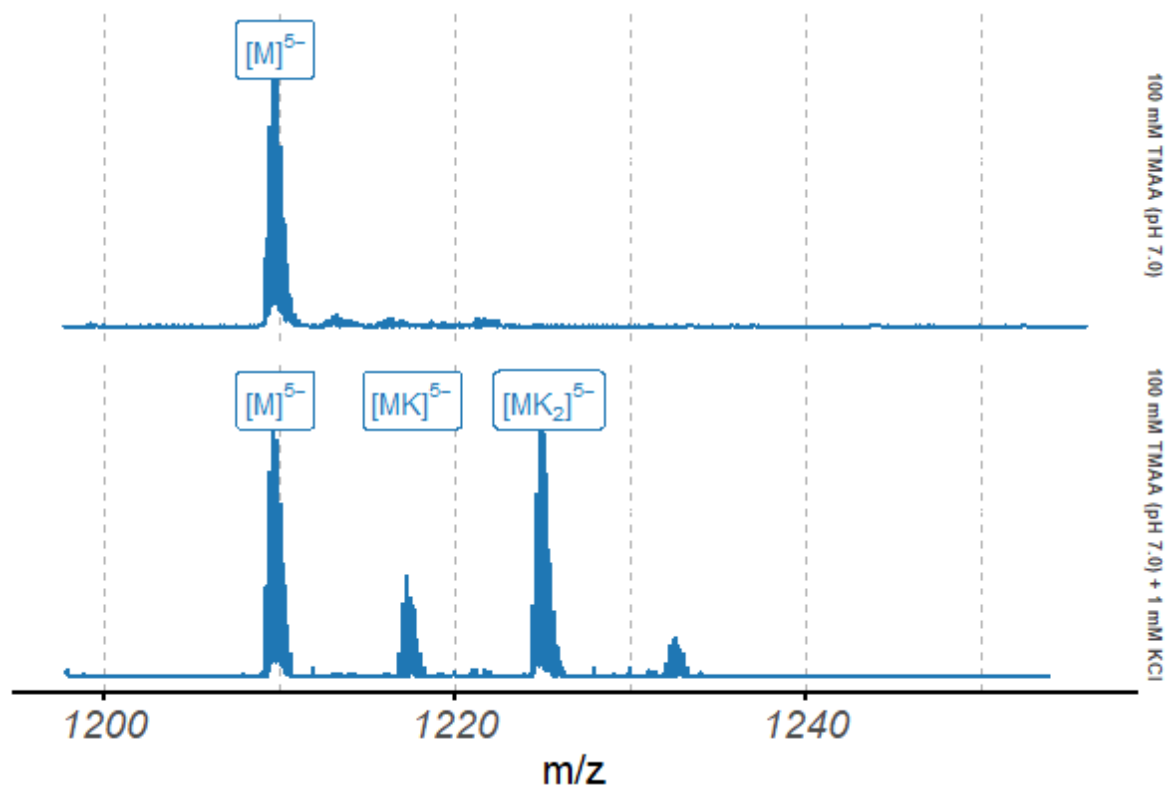
$^1$ H-NMR spectrum of the 2LBY oligonucleotide, acquired at 25°C in 100 mM TMAA (pH 7.0) + 1 mM KCl



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



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



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