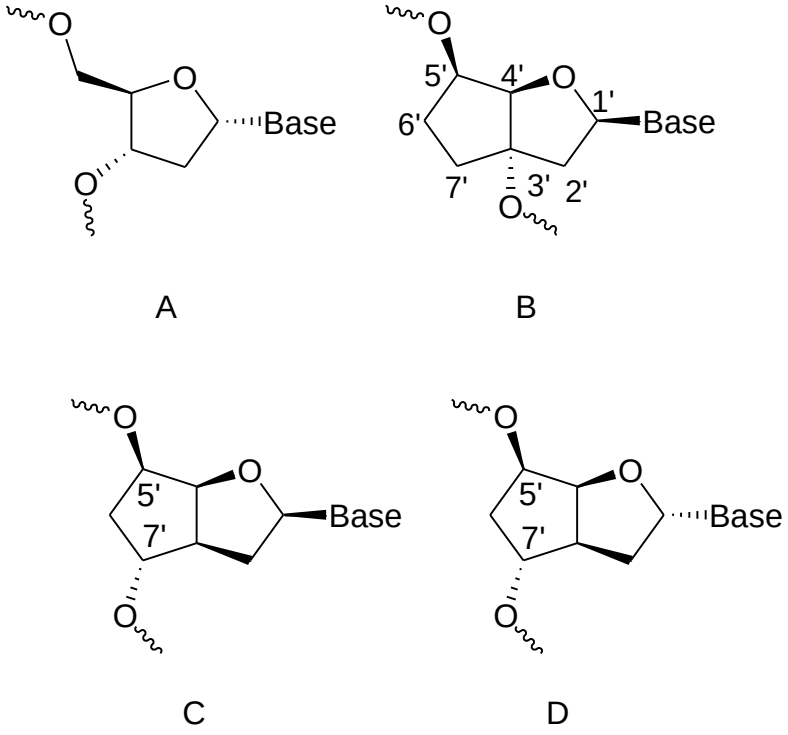
O
O
Base
O
A
O
5'
4'
O
1'
6'
Base
7'
3'
2'
O
B
O
5'
O
7'
Base
O
C
O
5'
O
7'
Base
O
D

FIG. 1


O
O
Base
O
O
Base
O
O

FIG. 2

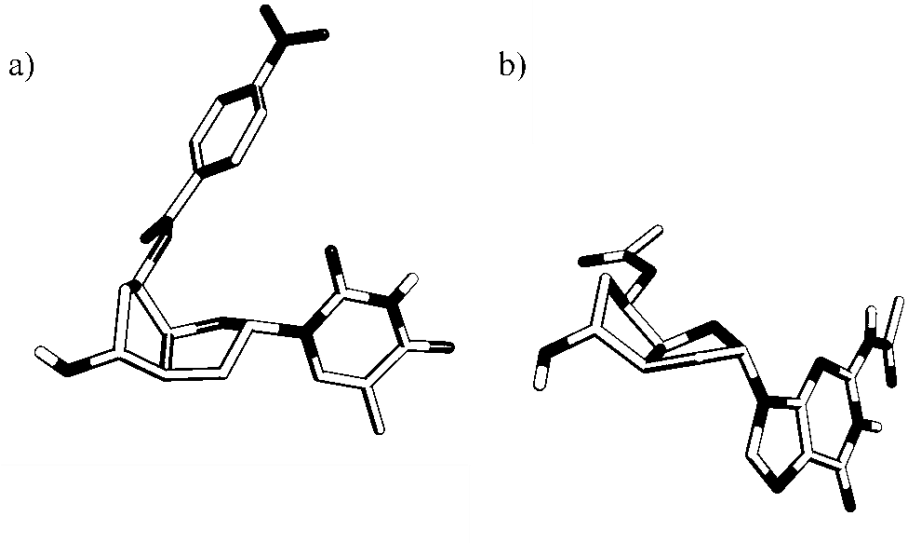

FIG. 3

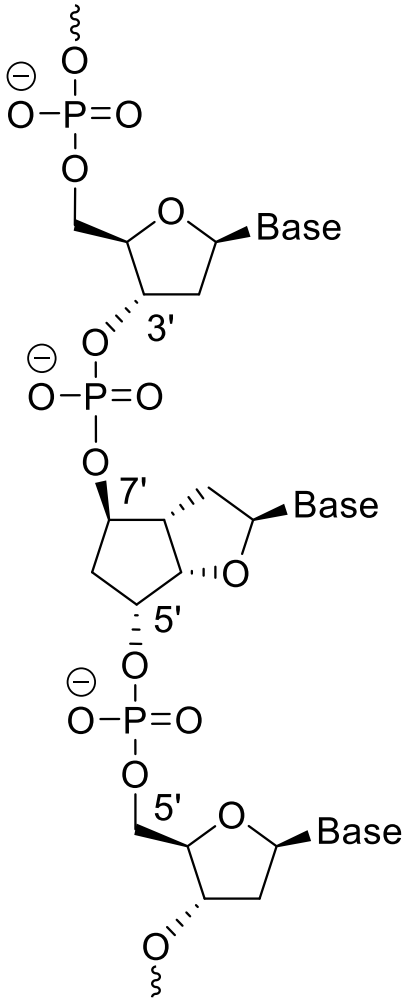

FIG. 4

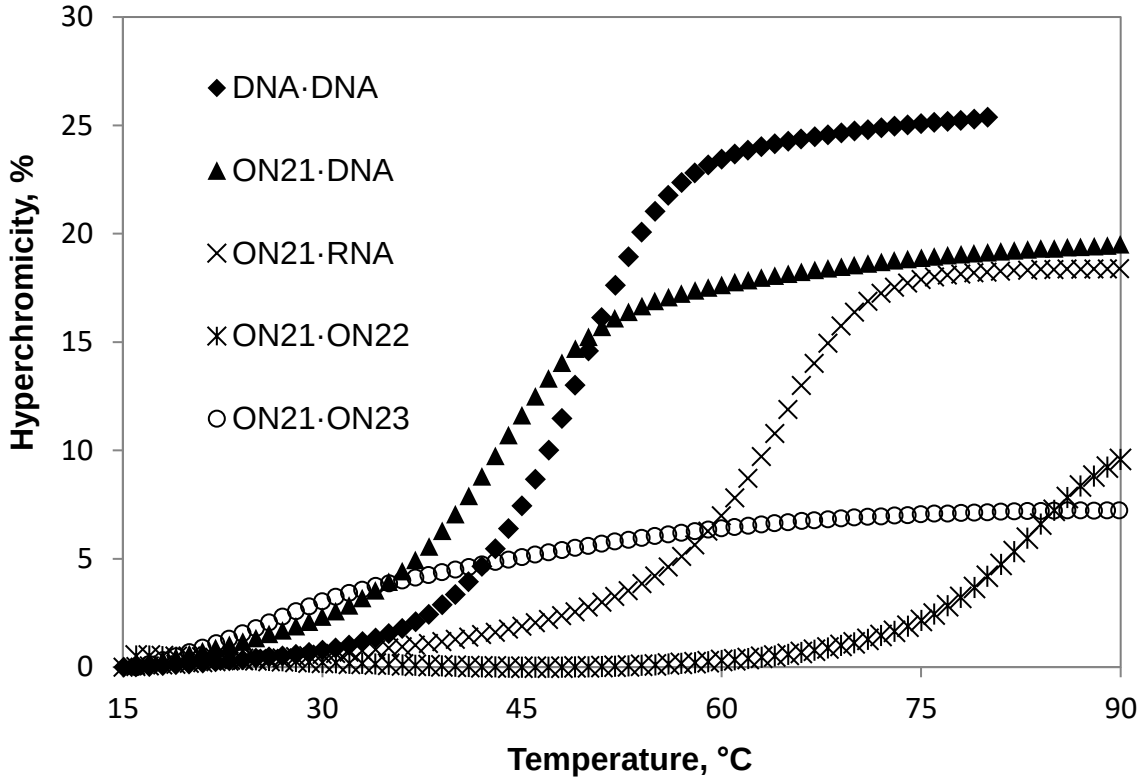
30
25
20
15
10
5
0
Hyperchromicity, %
DNA·DNA
ON21·DNA
ON21·RNA
ON21·ON22
ON21·ON23
15
30
45
60
75
90
Temperature, °C

FIG. 5

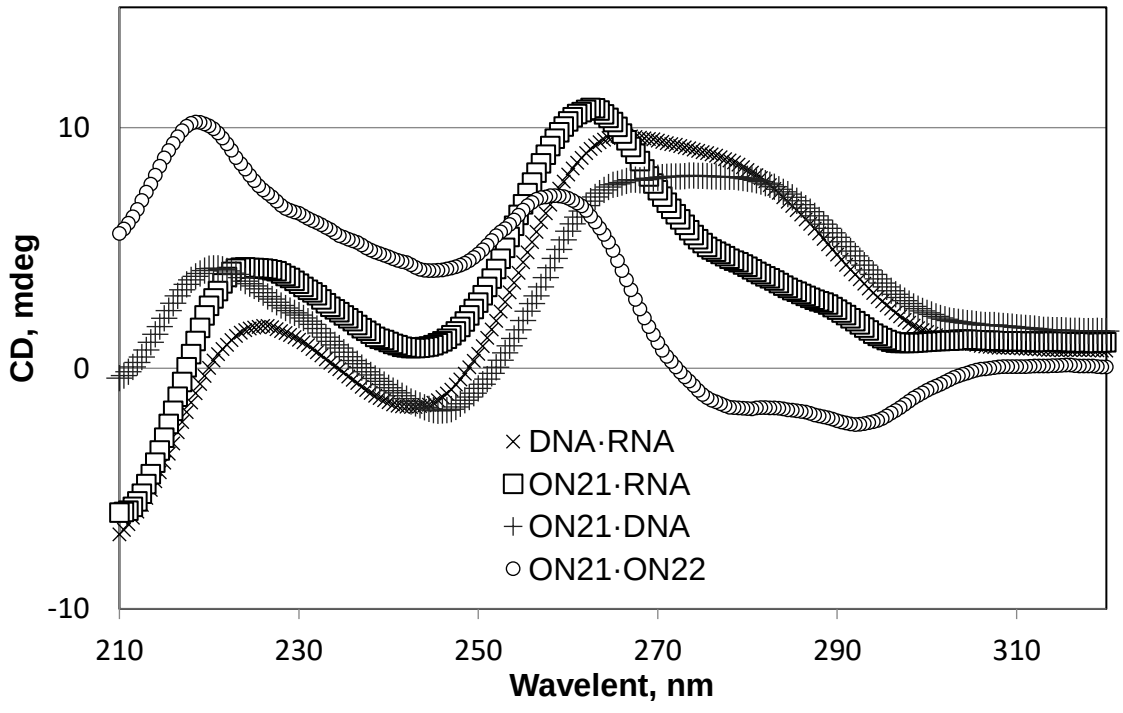
10
0
-10
CD, mdeg
DNA·RNA
ON21·RNA
ON21·DNA
ON21·ON22
210
230
250
270
290
310
Wavelent, nm

FIG. 6

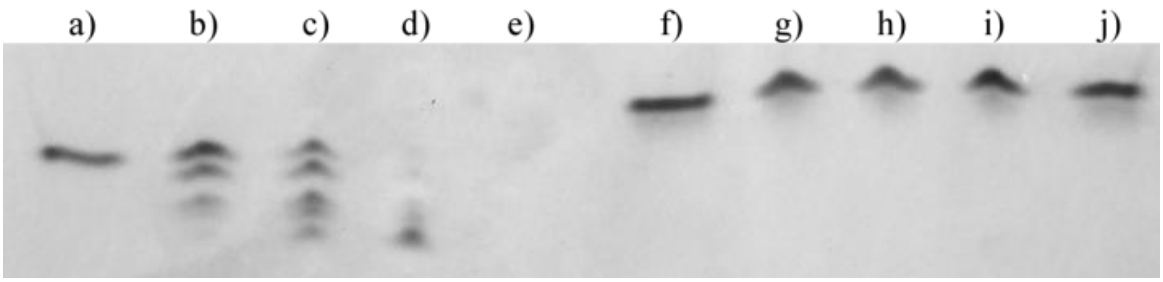
a)
b)
c)
d)
e)
f)
g)
h)
i)
j)

FIG. 7

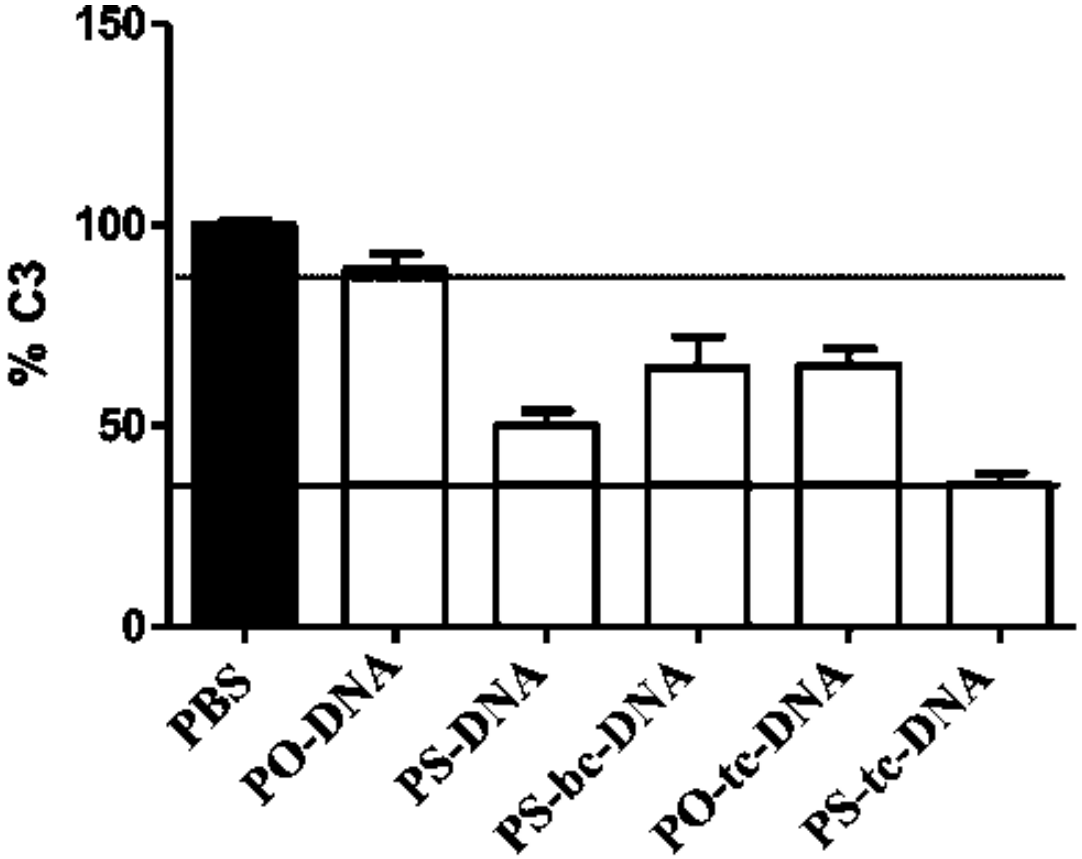
150
100
50
0
% C3
PBS
PO-DNA
PS-DNA
PS-bc-DNA
PO-tc-DNA
PS-tc-DNA

FIG. 8

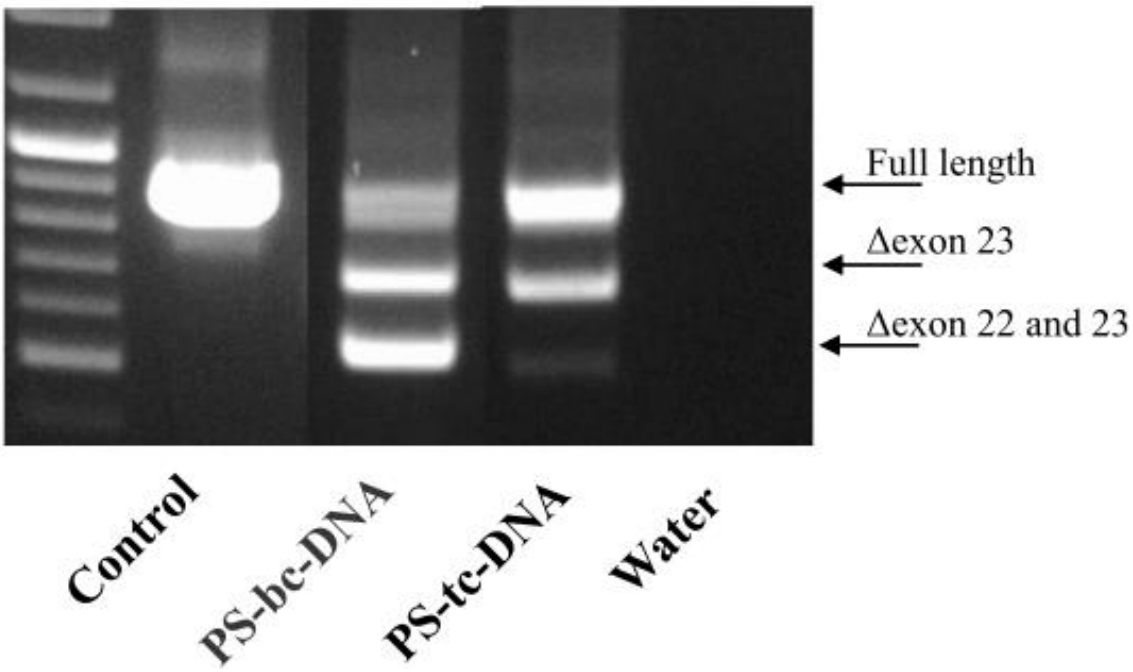
Full length
Δexon 23
Δexon 22 and 23
Control
PS-bc-DNA
PS-tc-DNA
Water

FIG. 9

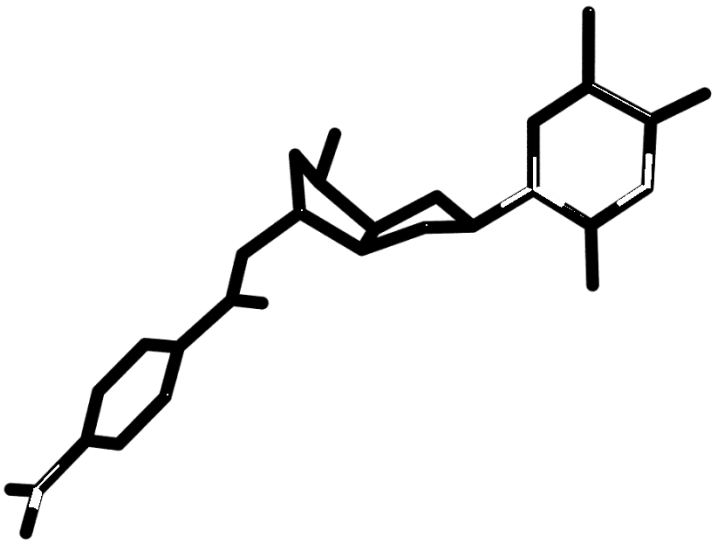

FIG. 10

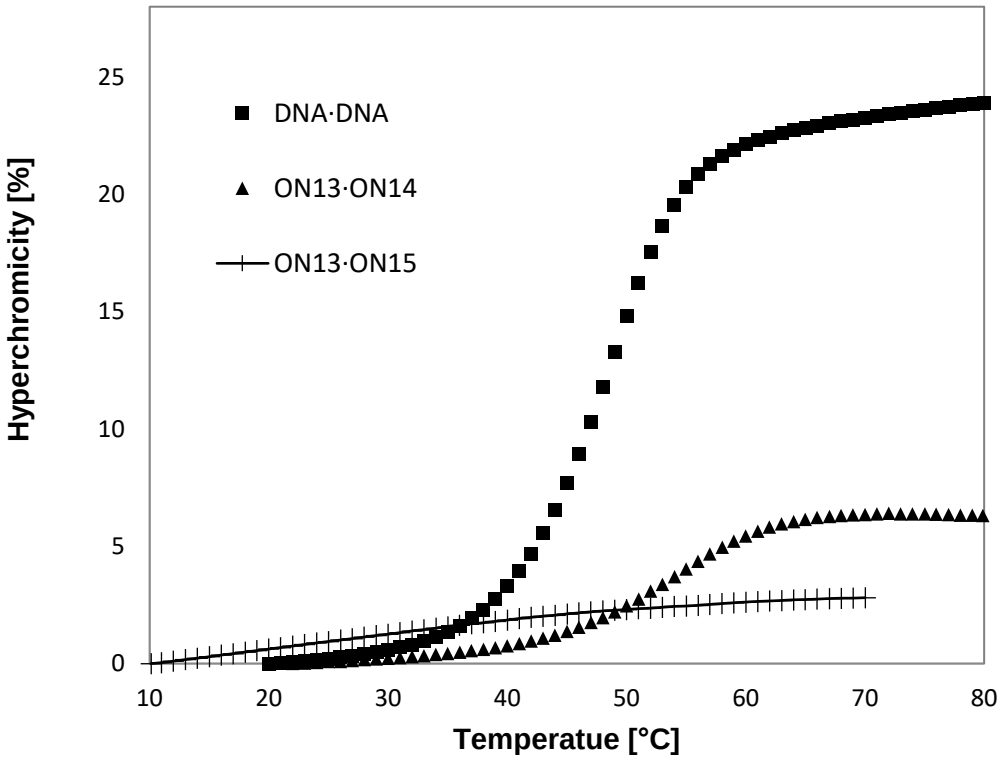
Hyperchromicity [%]
25
20
15
10
5
0
DNA·DNA
ON13·ON14
ON13·ON15
10
20
30
40
50
60
70
80
Temperatue [°C]

FIG. 11

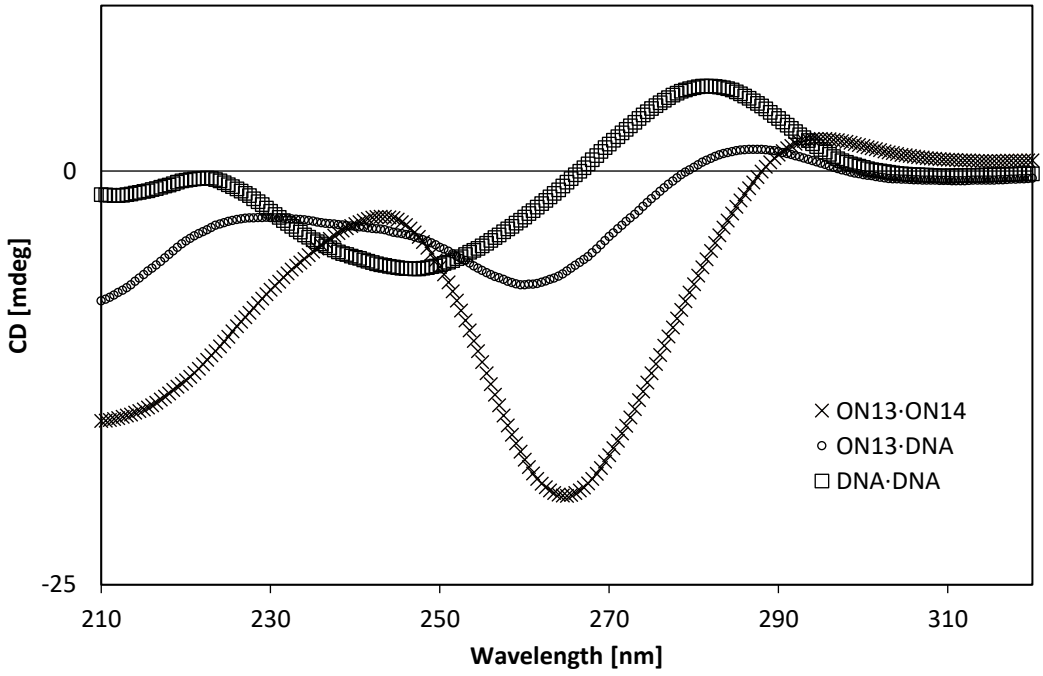
CD [mdeg]
0
-25
ON13·ON14
ON13·DNA
DNA·DNA
210
230
250
270
290
310
Wavelength [nm]

FIG. 12