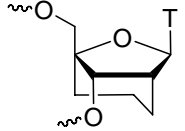
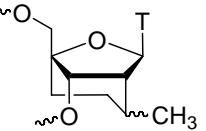
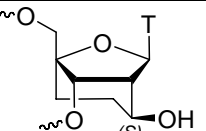
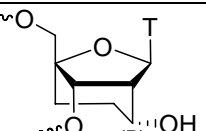
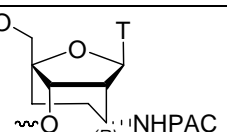


Table SII. 1. Thermal denaturation of duplexes of the native, ENA, parent carba-ENA and 8'-substituted carba-ENA modified AONs with complementary RNA or DNA^a

Entry	Modification structure	Sequence	MS (MH ⁺)		With DNA (°C)		With RNA (°C)	
			Cacl.	Found	<i>T_m</i>	ΔT_m	<i>T_m</i>	ΔT_m
AON 1	Native	5'- d (CTT CAT TTT TTC TTC)			45.0		44.5	
AON 2		5'- d (CTT CAT TTT TTC TTC)	4488.781	4489.350	44.5	-0.4	45.9	+1.3
AON 3		5'- d (CTT CAT TTT TTC TTC)	4488.781	4489.161	41.5	-3.5	45.9	+1.3
AON 4		5'- d (CTT CAT TTT TTC TTC)	4488.781	4489.067	40.7	-4.2	45.8	+1.2
AON 5		5'- d (CTT CAT TTT TTC TTC)	4488.781	4489.169	40.8	-4.1	46.3	+1.7
AON 6			5'- d (CTT CAT TTT TTC TTC)	4502.797	4503.020	42.6	-2.3	44.5
AON 7	5'- d (CTT CAT TTT TTC TTC)		4502.797	4503.186	39.0	-5.9	44.3	-0.3
AON 8	5'- d (CTT CAT TTT TTC TTC)		4502.797	4503.371	38.8	-6.1	45.0	+0.4
AON 9	5'- d (CTT CAT TTT TTC TTC)		4502.797	4502.976	38.9	-6.0	45.8	+1.2
AON 10		5'- d (CTT CAT TTT TTC TTC)	4504.776	4505.196	42.6	-2.3	44.3	-0.3
AON 11		5'- d (CTT CAT TTT TTC TTC)	4504.776	4505.196	40.1	-4.8	44.7	+0.1
AON 12		5'- d (CTT CAT TTT TTC TTC)	4504.776	4505.196	39.1	-5.8	44.5	-0.1
AON 13		5'- d (CTT CAT TTT TTC TTC)	4504.776	4505.135	39.2	-5.7	45.0	+0.4
AON 14		5'- d (CTT CAT TTT TTC TTC)	4504.776	4505.274	43.1	-1.8	45.3	+0.7
AON 15		5'- d (CTT CAT TTT TTC TTC)	4504.776	4505.139	39.7	-5.2	45.1	+0.5
AON 16		5'- d (CTT CAT TTT TTC TTC)	4504.776	4505.379	38.7	-6.2	44.9	+0.3
AON 17		5'- d (CTT CAT TTT TTC TTC)	4504.776	4505.015	40.1	-4.8	45.6	+1.0
AON 18		5'- d (CTT CAT TTT TTC TTC)	4637.829	4637.936	44.9	0	45.8	+1.2
AON 19		5'- d (CTT CAT TTT TTC TTC)	4637.829	4637.709	41.7	-3.2	45.2	+0.6
AON 20		5'- d (CTT CAT TTT TTC TTC)	4637.829	4637.919	41.6	-3.3	45.4	+0.8
AON 21		5'- d (CTT CAT TTT TTC TTC)	4637.829	4637.617	42.8	-2.1	46.7	+2.1