

Chemosensitization of Solid Tumors by Inhibition of Bcl-xL Expression Using DNAzyme

Supplementary Material

Sup Table 1: Design, thermodynamics and *in vitro* activity of bcl-xL DNAzymes.

DNAzyme Codes	DNAzyme Sequences	$-G^{\circ}$ (kcal/mol)	<i>In vitro</i> Activity*
DT861	aagagttcaggctagctacaacgatcactacct	21.70	+
DT862	tttaccgccaggctagctacaacgacccggaaga	27.70	+
DT863	cccagtttaggctagctacaacgacccatcccg	30.10	+
DT864	acaatgcgaggctagctacaacgaccagtta	23.60	-
DT865	aggccacaaggctagctacaacgagcgacccca	30.40	-
DT866	aaaaggccaggctagctacaacgaaatgcgacc	22.70	-
DT867	ttccacgcaggctagctacaacgaagtgccccg	30.90	-
DT868	cgctttccaggctagctacaacgagcacagtgc	27.60	+
DT869	cctgtctaggctagctacaacgagctttccac	25.80	++
DT870	atactgcaggctagctacaacgactcctgtc	25.60	+++
DT871	tcaccaataggctagctacaacgactgcatctc	22.50	++
DT872	actaccaaggctagctacaacgaacctgcatc	24.80	-
DT873	tccgactcaggctagctacaacgacaatacctg	23.20	-
DT874	gcgatccgaggctagctacaacgatcaccaata	24.40	+
DT875	aagctgcgaggctagctacaacgaccgactcac	25.40	+
DT876	aagtggccaggctagctacaacgaccaagctgc	27.10	++
DT877	aggtggtcaggctagctacaacgatcaggtaag	22.80	++
DT879	tctcctggaggctagctacaacgaccaaggctc	27.10	+++
DT880	acaaaagtaggctagctacaacgaccagccgc	25.20	-
DT881	gtctggtcaggctagctacaacgattccgactg	25.40	++
DT882	ttttataaggctagctacaacgaagggatggg	18.90	++
DT883	acatttttaggctagctacaacgaaatagggat	17.40	+
DT884	tctgagacaggctagctacaacgattttataat	16.80	+
DT885	gctctgagaggctagctacaacgaattttata	19.40	+++
DT886	agtcaaccaggctagctacaacgacagctcccg	27.50	++
DT887	gtggctccaggctagctacaacgatcaccgegg	30.50	-

**In vitro* cleavage activity was assessed according to the band intensity at the lowest concentration (5nM). The DNAzymes with the activity > ++ were selected as efficient cleavers.