

Table 2.

Cage	Oligo Type	Cage Location	Target	System	Max Knockdown	Leak	Oligo Modification	Light Source	Dose	$\lambda$ (nm)	Reference
Azobenzene	Antisense	Backbone	-	-	85%	0%		-	30 mJ/cm <sup>2</sup>	-	139
Bhc	mRNA	Backbone	GFP, eng2a	Zf	67%	0%		100W Mercury lamp	200mJ/cm <sup>2</sup>	365	53
DMNPE	siRNA	Backbone	GFP/RFP	HeLa	79%	35%		Blak-Ray UV lamp	-	-	62
DMNPE	siRNA	Backbone	GFP	BHK, Zf	63%	11%	2'-Fluoro	Greenspot Lamda Physik EMG 201 MSC	40 J/cm <sup>2</sup>	365	17
NB	RNAzyme	2'-OH	-	-	100%	0%		UCOM Microplate Photo-Activator	11.7 J/cm <sup>2</sup>	308	81
NPE	siRNA	5' Phosphate	GADPH	HeLa	108%	8%		UV Transilluminator	2 J/cm <sup>2</sup>	365	16
NPE PL	PNA	5', 3' Termini	Bozozok	Zf	94%	6%	2'-OMe	UV Transilluminator	4.32 J/cm <sup>2</sup>	365	100
NPE PL	PNA	5', 3' Termini	Chordin	Zf	85%	16%	2'-OMe	UV Transilluminator	4.32 J/cm <sup>3</sup>	365	100
NPE PL	Antisense	5', 3' Termini	c-MYB	k562	52%	0%	PS	Spectroline UV Transilluminator	2.7 J/cm <sup>2</sup>	365	101
NPE PL	RNA bandage	5', 3' Termini	GFP	-	95%*	30%*	2'-OMe	UV Transilluminator	2.7 J/cm <sup>2</sup>	365	102
NPOM	Antisense	Base (dT)	Luciferase	3T3	95%	0%	PS	Spectroline UV Lamp	-	365	95
NPOM	DNAzyme	Base (dT)	RNA		91%	0%		UV Transilluminator	-	365	96
NPP	siRNA	Base (dG, dT)	EGFP	HeLa	95%	13%	D	MinUvis Hg Lamp	2.88 J/cm <sup>2</sup>	366	18
PL	Morpholino	5', 3' Termini	no tail	Zf	-	-		Mercury lamp	-	360	105