gRNA Target Sequence Position																				Oligos for generating gRNA expression plasmid	
EGFP Target Site 1																					
20	**19**	**18**	**17**	**16**	**15**	**14**	**13**	**12**	**11**	**10**	**9**	**8**	**7**	**6**	**5**	**4**	**3**	**2**	**1**	**oligonucleotide 1 (5' to 3')**	**oligonucleotide 2 (5' to 3')**
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGCACGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	c	ACACCGGGCACGGGCAGCTTGCCGCG	AAAACGCGGCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	C	c	G	ACACCGGGCACGGGCAGCTTGCCCGG	AAAACCGGGCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	g	G	G	ACACCGGGCACGGGCAGCTTGCGGGG	AAAACCCCGCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	G	g	C	G	G	ACACCGGGCACGGGCAGCTTGGCGGG	AAAACCCGCCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	c	C	C	G	G	ACACCGGGCACGGGCAGCTTCCCGGG	AAAACCCGGGAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	a	G	C	C	G	G	ACACCGGGCACGGGCAGCTAGCCGGG	AAAACCCGGCTAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	a	T	G	C	C	G	G	ACACCGGGCACGGGCAGCATGCCGGG	AAAACCCGGCATGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	g	T	T	G	C	C	G	G	ACACCGGGCACGGGCAGGTTGCCGGG	AAAACCCGGCAACCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	c	C	T	T	G	C	C	G	G	ACACCGGGCACGGGCACCTTGCCGGG	AAAACCCGGCAAGGTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	t	G	C	T	T	G	C	C	G	G	ACACCGGGCACGGGCTGCTTGCCGGG	AAAACCCGGCAAGCAGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	g	A	G	C	T	T	G	C	C	G	G	ACACCGGGCACGGGGAGCTTGCCGGG	AAAACCCGGCAAGCTCCCCGTGCCCG
G	G	G	C	A	C	G	G	c	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGCACGGCCAGCTTGCCGGG	AAAACCCGGCAAGCTGGCCGTGCCCG
G	G	G	C	A	C	G	c	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGCACGCGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCGCGTGCCCG
G	G	G	C	A	C	c	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGCACCGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCGGTGCCCG
G	G	G	C	A	g	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGCAGGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCCTGCCCG
G	G	G	C	t	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGCTCGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGAGCCCG
G	G	G	g	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGGACGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTCCCCG
G	G	c	C	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGCCACGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGGCCG
G	c	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCGCACGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCGCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	C	c	c	ACACCGGGCACGGGCAGCTTGCCCCG	AAAACGGGGCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	G	g	g	G	G	ACACCGGGCACGGGCAGCTTGGGGGG	AAAACCCCCCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	a	c	C	C	G	G	ACACCGGGCACGGGCAGCTACCCGGG	AAAACCCGGGTAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	g	a	T	G	C	C	G	G	ACACCGGGCACGGGCAGGATGCCGGG	AAAACCCGGCATCCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	t	c	C	T	T	G	C	C	G	G	ACACCGGGCACGGGCTCCTTGCCGGG	AAAACCCGGCAAGGAGCCCGTGCCCG
G	G	G	C	A	C	G	G	c	g	A	G	C	T	T	G	C	C	G	G	ACACCGGGCACGGCGAGCTTGCCGGG	AAAACCCGGCAAGCTCGCCGTGCCCG
G	G	G	C	A	C	c	c	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGCACCCGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCGGGTGCCCG
G	G	G	C	t	g	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGGCTGGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCCAGCCCG
G	G	c	g	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGGCGACGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTCGCCG
G	c	c	C	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCCCACGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCGGG
G	c	C	g	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCCGACGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCCCG
G	c	c	g	t	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCCGTCGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCCCG
G	c	c	g	t	g	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCCGTGGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCCCG
G	c	c	g	t	g	c	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCCGTGCGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCCCG
G	c	c	g	t	g	c	c	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCCGTGCCGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCCCG
G	c	c	g	t	g	c	c	c	C	A	G	C	T	T	G	C	C	G	G	ACACCGCCGTGCCCCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCCCG
G	c	c	g	t	g	c	c	c	g	A	G	C	T	T	G	C	C	G	G	ACACCGCCGTGCCCGAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	g	G	c	ACACCGGGCACGGGCAGCTTGCGGCG	AAAACGCCGCAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	T	T	c	C	g	G	G	ACACCGGGCACGGGCAGCTTCCGGGG	AAAACCCCGGAAGCTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	C	A	G	C	a	T	G	C	g	G	G	ACACCGGGCACGGGCAGCATGCGGGG	AAAACCCCGCATGCTGCCCGTGCCCG

G	G	G	C	A	C	G	G	G	C	A	c	C	T	T	G	C	g	G	G	ACACCGGGCACGGGCACCTTGCGGGG	AAAACCCCGCAAGGTGCCCGTGCCCG
G	G	G	C	A	C	G	G	G	g	A	G	C	T	T	G	C	g	G	G	ACACCGGGCACGGGGAGCTTGCGGGG	AAAACCCCGCAAGCTCCCCGTGCCCG
G	G	G	C	A	C	G	c	G	C	A	G	C	T	T	G	C	g	G	G	ACACCGGGCACGCGCAGCTTGCGGGG	AAAACCCCGCAAGCTGCGCGTGCCCG
G	G	G	C	A	g	G	G	G	C	A	G	C	T	T	G	C	g	G	G	ACACCGGGCAGGGGCAGCTTGCGGGG	AAAACCCCGCAAGCTGCCCCTGCCCG
G	G	G	g	A	C	G	G	G	C	A	G	C	T	T	G	C	g	G	G	ACACCGGGGACGGGCAGCTTGCGGGG	AAAACCCCGCAAGCTGCCCGTCCCCG
G	c	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	g	G	G	ACACCGCGCACGGGCAGCTTGCGGGG	AAAACCCCGCAAGCTGCCCGTGCGCG
G	G	G	C	A	C	G	G	G	g	A	G	C	T	T	G	C	C	G	c	ACACCGGGCACGGGGAGCTTGCCGCG	AAAACGCGGCAAGCTCCCCGTGCCCG
G	G	G	C	A	C	G	G	G	g	A	G	C	T	T	c	C	C	G	G	ACACCGGGCACGGGGAGCTTCCCGGG	AAAACCCGGGAAGCTCCCCGTGCCCG
G	G	G	C	A	C	G	G	G	g	A	G	C	a	T	G	C	C	G	G	ACACCGGGCACGGGGAGCATGCCGGG	AAAACCCGGCATGCTCCCCGTGCCCG
G	G	G	C	A	C	G	G	G	g	A	c	C	T	T	G	C	C	G	G	ACACCGGGCACGGGGACCTTGCCGGG	AAAACCCGGCAAGGTCCCCGTGCCCG
G	G	G	C	A	C	G	c	G	g	A	G	C	T	T	G	C	C	G	G	ACACCGGGCACGCGGAGCTTGCCGGG	AAAACCCGGCAAGCTCCGCGTGCCCG
G	G	G	C	A	g	G	G	G	g	A	G	C	T	T	G	C	C	G	G	ACACCGGGCAGGGGGAGCTTGCCGGG	AAAACCCGGCAAGCTCCCCCTGCCCG
G	G	G	g	A	C	G	G	G	g	A	G	C	T	T	G	C	C	G	G	ACACCGGGGACGGGGAGCTTGCCGGG	AAAACCCGGCAAGCTCCCCGTCCCCG
G	c	G	C	A	C	G	G	G	g	A	G	C	T	T	G	C	C	G	G	ACACCGCGCACGGGGAGCTTGCCGGG	AAAACCCGGCAAGCTCCCCGTGCGCG
G	c	G	C	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	c	ACACCGCGCACGGGCAGCTTGCCGCG	AAAACGCGGCAAGCTGCCCGTGCGCG
G	c	G	C	A	C	G	G	G	C	A	G	C	T	T	c	C	C	G	G	ACACCGCGCACGGGCAGCTTCCCGGG	AAAACCCGGGAAGCTGCCCGTGCGCG
G	c	G	C	A	C	G	G	G	C	A	G	C	a	T	G	C	C	G	G	ACACCGCGCACGGGCAGCATGCCGGG	AAAACCCGGCATGCTGCCCGTGCGCG
G	c	G	C	A	C	G	G	G	C	A	c	C	T	T	G	C	C	G	G	ACACCGCGCACGGGCACCTTGCCGGG	AAAACCCGGCAAGGTGCCCGTGCGCG
G	c	G	C	A	C	G	c	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCGCACGCGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCGCGTGCGCG
G	c	G	C	A	g	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCGCAGGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCCTGCGCG
G	c	G	g	A	C	G	G	G	C	A	G	C	T	T	G	C	C	G	G	ACACCGCGGACGGGCAGCTTGCCGGG	AAAACCCGGCAAGCTGCCCGTCCGCG

EGFP Target Site 2

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	oligonucleotide 1 (5' to 3')	oligonucleotide 2 (5' to 3')
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGATGCCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	a	ACACCGATGCCGTTCTTCTGCTTGAG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	T	c	T	ACACCGATGCCGTTCTTCTGCTTCTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	a	G	T	ACACCGATGCCGTTCTTCTGCTAGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	C	a	T	G	T	ACACCGATGCCGTTCTTCTGCATGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	g	T	T	G	T	ACACCGATGCCGTTCTTCTGGTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	c	C	T	T	G	T	ACACCGATGCCGTTCTTCTCCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	a	G	C	T	T	G	T	ACACCGATGCCGTTCTTCAGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	g	T	G	C	T	T	G	T	ACACCGATGCCGTTCTTGTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	a	C	T	G	C	T	T	G	T	ACACCGATGCCGTTCTACTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	a	T	C	T	G	C	T	T	G	T	ACACCGATGCCGTTCATCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	g	T	T	C	T	G	C	T	T	G	T	ACACCGATGCCGTTGTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	a	C	T	T	C	T	G	C	T	T	G	T	ACACCGATGCCGTACTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	a	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGATGCCGATCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	c	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGATGCCCTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	g	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGATGCGGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	g	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGATGGCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	c	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGATCCCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	t	G	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGAAGCCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG

G	a	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTTGCCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	T	c	a	ACACCGATGCCGTTCTTCTGCTTCAG	AAAACTGAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	C	a	a	G	T	ACACCGATGCCGTTCTTCTGCAAGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	c	g	T	T	G	T	ACACCGATGCCGTTCTTCTCGTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	g	a	G	C	T	T	G	T	ACACCGATGCCGTTCTTGAGCTTGTG	AAAACACAAGCTCAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	a	a	C	T	G	C	T	T	G	T	ACACCGATGCCGTTCAACTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	a	g	T	T	C	T	G	C	T	T	G	T	ACACCGATGCCGTAGTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	C	C	c	a	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGATGCCCATCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	T	G	g	g	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGATGGGGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	A	a	c	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGAACCCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCATCG
G	t	a	G	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTAGCCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGCAAGG
G	t	a	c	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTACCCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGGTACG
G	t	a	c	g	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTACGCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGCGTACG
G	t	a	c	g	g	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTACGGGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACCCGTACG
G	t	a	c	g	g	c	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTACGGCTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAAGCCGTACG
G	t	a	c	g	g	c	a	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTACGGCATCTTCTGCTTGTG	AAAACACAAGCAGAAGATGCCGTACG
G	t	a	c	g	g	c	a	a	C	T	T	C	T	G	C	T	T	G	T	ACACCGTACGGCAACTTCTGCTTGTG	AAAACACAAGCAGAAGTTGCCGTACG
G	t	a	c	g	g	c	a	a	g	T	T	C	T	G	C	T	T	G	T	ACACCGTACGGCAAGTTCTGCTTGTG	AAAACACAAGCAGAACTTGCCGTACG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	a	G	a	ACACCGATGCCGTTCTTCTGCTAGAG	AAAACTCTAGCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	T	G	g	T	a	G	T	ACACCGATGCCGTTCTTCTGGTAGTG	AAAACACTACCAGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	T	C	a	G	C	T	a	G	T	ACACCGATGCCGTTCTTCAGCTAGTG	AAAACACTAGCTGAAGAACGGCATCG
G	A	T	G	C	C	G	T	T	C	T	a	C	T	G	C	T	a	G	T	ACACCGATGCCGTTCTACTGCTAGTG	AAAACACTAGCAGTAGAACGGCATCG
G	A	T	G	C	C	G	T	T	g	T	T	C	T	G	C	T	a	G	T	ACACCGATGCCGTTGTTCTGCTAGTG	AAAACACTAGCAGAACAACGGCATCG
G	A	T	G	C	C	G	a	T	C	T	T	C	T	G	C	T	a	G	T	ACACCGATGCCGATCTTCTGCTAGTG	AAAACACTAGCAGAAGATCGGCATCG
G	A	T	G	C	g	G	T	T	C	T	T	C	T	G	C	T	a	G	T	ACACCGATGCGGTTCTTCTGCTAGTG	AAAACACTAGCAGAAGAACCGCATCG
G	A	T	c	C	C	G	T	T	C	T	T	C	T	G	C	T	a	G	T	ACACCGATCCCGTTCTTCTGCTAGTG	AAAACACTAGCAGAAGAACGGGATCG
G	t	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	a	G	T	ACACCGTTGCCGTTCTTCTGCTAGTG	AAAACACTAGCAGAAGAACGGCAACG
G	A	T	G	C	C	G	T	T	g	T	T	C	T	G	C	T	T	G	a	ACACCGATGCCGTTGTTCTGCTTGAG	AAAACTCAAGCAGAACAACGGCATCG
G	A	T	G	C	C	G	T	T	g	T	T	C	T	G	g	T	T	G	T	ACACCGATGCCGTTGTTCTGGTTGTG	AAAACACAACCAGAACAACGGCATCG
G	A	T	G	C	C	G	T	T	g	T	T	C	a	G	C	T	T	G	T	ACACCGATGCCGTTGTTCAGCTTGTG	AAAACACAAGCTGAACAACGGCATCG
G	A	T	G	C	C	G	T	T	g	T	a	C	T	G	C	T	T	G	T	ACACCGATGCCGTTGTACTGCTTGTG	AAAACACAAGCAGTACAACGGCATCG
G	A	T	G	C	C	G	a	T	g	T	T	C	T	G	C	T	T	G	T	ACACCGATGCCGATGTTCTGCTTGTG	AAAACACAAGCAGAACATCGGCATCG
G	A	T	G	C	g	G	T	T	g	T	T	C	T	G	C	T	T	G	T	ACACCGATGCGGTTGTTCTGCTTGTG	AAAACACAAGCAGAACAACCGCATCG
G	A	T	c	C	C	G	T	T	g	T	T	C	T	G	C	T	T	G	T	ACACCGATCCCGTTGTTCTGCTTGTG	AAAACACAAGCAGAACAACGGGATCG
G	t	T	G	C	C	G	T	T	g	T	T	C	T	G	C	T	T	G	T	ACACCGTTGCCGTTGTTCTGCTTGTG	AAAACACAAGCAGAACAACGGCAACG
G	t	T	G	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	a	ACACCGTTGCCGTTCTTCTGCTTGAG	AAAACTCAAGCAGAAGAACGGCAACG
G	t	T	G	C	C	G	T	T	C	T	T	C	T	G	g	T	T	G	T	ACACCGTTGCCGTTCTTCTGGTTGTG	AAAACACAACCAGAAGAACGGCAACG
G	t	T	G	C	C	G	T	T	C	T	T	C	a	G	C	T	T	G	T	ACACCGTTGCCGTTCTTCAGCTTGTG	AAAACACAAGCTGAAGAACGGCAACG
G	t	T	G	C	C	G	T	T	C	T	a	C	T	G	C	T	T	G	T	ACACCGTTGCCGTTCTACTGCTTGTG	AAAACACAAGCAGTAGAACGGCAACG
G	t	T	G	C	C	G	a	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTTGCCGATCTTCTGCTTGTG	AAAACACAAGCAGAAGATCGGCAACG
G	t	T	G	C	g	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTTGCGGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACCGCAACG
G	t	T	c	C	C	G	T	T	C	T	T	C	T	G	C	T	T	G	T	ACACCGTTCCCGTTCTTCTGCTTGTG	AAAACACAAGCAGAAGAACGGGAACG

EGFP Target Site 3

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	oligonucleotide 1 (5' to 3')	oligonucleotide 2 (5' to 3')
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	t	ACACCGGTGGTGCAGATGAACTTCTG	AAAACAGAAGTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	T	g	A	ACACCGGTGGTGCAGATGAACTTGAG	AAAACTCAAGTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	a	C	A	ACACCGGTGGTGCAGATGAACTACAG	AAAACTGTAGTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	C	a	T	C	A	ACACCGGTGGTGCAGATGAACATCAG	AAAACTGATGTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	g	T	T	C	A	ACACCGGTGGTGCAGATGAAGTTCAG	AAAACTGAACTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	t	C	T	T	C	A	ACACCGGTGGTGCAGATGATCTTCAG	AAAACTGAAGATCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	t	A	C	T	T	C	A	ACACCGGTGGTGCAGATGTACTTCAG	AAAACTGAAGTACATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	c	A	A	C	T	T	C	A	ACACCGGTGGTGCAGATCAACTTCAG	AAAACTGAAGTTGATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	a	G	A	A	C	T	T	C	A	ACACCGGTGGTGCAGAAGAACTTCAG	AAAACTGAAGTTCTTCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	t	T	G	A	A	C	T	T	C	A	ACACCGGTGGTGCAGTTGAACTTCAG	AAAACTGAAGTTCAACTGCACCACCG
G	G	T	G	G	T	G	C	A	c	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGTGCACATGAACTTCAG	AAAACTGAAGTTCATGTGCACCACCG
G	G	T	G	G	T	G	C	t	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGTGCTGATGAACTTCAG	AAAACTGAAGTTCATCAGCACCACCG
G	G	T	G	G	T	G	g	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGTGGAGATGAACTTCAG	AAAACTGAAGTTCATCTCCACCACCG
G	G	T	G	G	T	c	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGTCCAGATGAACTTCAG	AAAACTGAAGTTCATCTGGACCACCG
G	G	T	G	G	a	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGAGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCTCCACCG
G	G	T	G	c	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTGCTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCAGCACCG
G	G	T	c	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTCGTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCACGACCG
G	G	a	G	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGAGGTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCACCTCCG
G	c	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCTGGTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCACCAGCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	T	g	t	ACACCGGTGGTGCAGATGAACTTGTG	AAAACACAAGTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	C	a	a	C	A	ACACCGGTGGTGCAGATGAACAACAG	AAAACTGTTGTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	t	g	T	T	C	A	ACACCGGTGGTGCAGATGATGTTCAG	AAAACTGAACATCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	c	t	A	C	T	T	C	A	ACACCGGTGGTGCAGATCTACTTCAG	AAAACTGAAGTAGATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	t	a	G	A	A	C	T	T	C	A	ACACCGGTGGTGCAGTAGAACTTCAG	AAAACTGAAGTTCTACTGCACCACCG
G	G	T	G	G	T	G	C	t	c	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGTGCTCATGAACTTCAG	AAAACTGAAGTTCATGAGCACCACCG
G	G	T	G	G	T	c	g	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGTCGAGATGAACTTCAG	AAAACTGAAGTTCATCTCGACCACCG
G	G	T	G	c	a	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGTGCAGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCTGCACCG
G	G	a	c	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGGACGTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCACGTCCG
G	c	a	G	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCAGGTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCACCAGGG
G	c	a	c	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCACGTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCACGTGCG
G	c	a	c	c	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCACCTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCAGGTGCG
G	c	a	c	c	a	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCACCAGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCTGGTGCG
G	c	a	c	c	a	c	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCACCACCAGATGAACTTCAG	AAAACTGAAGTTCATCTGGTGGTGCG
G	c	a	c	c	a	c	g	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCACCACGAGATGAACTTCAG	AAAACTGAAGTTCATCTCGTGGTGCG
G	c	a	c	c	a	c	g	t	G	A	T	G	A	A	C	T	T	C	A	ACACCGCACCACGTGATGAACTTCAG	AAAACTGAAGTTCATCACGTGGTGCG
G	c	a	c	c	a	c	g	t	c	A	T	G	A	A	C	T	T	C	A	ACACCGCACCACGTCATGAACTTCAG	AAAACTGAAGTTCATGACGTGGTGCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	a	C	t	ACACCGGTGGTGCAGATGAACTACTG	AAAACAGTAGTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	A	A	g	T	a	C	A	ACACCGGTGGTGCAGATGAAGTACAG	AAAACTGTACTTCATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	T	G	t	A	C	T	a	C	A	ACACCGGTGGTGCAGATGTACTACAG	AAAACTGTAGTACATCTGCACCACCG
G	G	T	G	G	T	G	C	A	G	A	a	G	A	A	C	T	a	C	A	ACACCGGTGGTGCAGAAGAACTACAG	AAAACTGTAGTTCTTCTGCACCACCG

G	G	T	G	G	T	G	C	A	c	A	T	G	A	A	C	T	a	C	A	ACACCGGTGGTGCACATGAACTACAG	AAAACTGTAGTTCATGTGCACCACCG
G	G	T	G	G	T	G	g	A	G	A	T	G	A	A	C	T	a	C	A	ACACCGGTGGTGGAGATGAACTACAG	AAAACTGTAGTTCATCTCCACCACCG
G	G	T	G	G	a	G	C	A	G	A	T	G	A	A	C	T	a	C	A	ACACCGGTGGAGCAGATGAACTACAG	AAAACTGTAGTTCATCTGCTCCACCG
G	G	T	c	G	T	G	C	A	G	A	T	G	A	A	C	T	a	C	A	ACACCGGTCGTGCAGATGAACTACAG	AAAACTGTAGTTCATCTGCACGACCG
G	c	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	a	C	A	ACACCGCTGGTGCAGATGAACTACAG	AAAACTGTAGTTCATCTGCACCAGCG
G	G	T	G	G	T	G	C	A	c	A	T	G	A	A	C	T	T	C	t	ACACCGGTGGTGCACATGAACTTCTG	AAAACAGAAGTTCATGTGCACCACCG
G	G	T	G	G	T	G	C	A	c	A	T	G	A	A	g	T	T	C	A	ACACCGGTGGTGCACATGAAGTTCAG	AAAACTGAACTTCATGTGCACCACCG
G	G	T	G	G	T	G	C	A	c	A	T	G	t	A	C	T	T	C	A	ACACCGGTGGTGCACATGTACTTCAG	AAAACTGAAGTACATGTGCACCACCG
G	G	T	G	G	T	G	C	A	c	A	a	G	A	A	C	T	T	C	A	ACACCGGTGGTGCACAAGAACTTCAG	AAAACTGAAGTTCTTGTGCACCACCG
G	G	T	G	G	T	G	g	A	c	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGTGGACATGAACTTCAG	AAAACTGAAGTTCATGTCCACCACCG
G	G	T	G	G	a	G	C	A	c	A	T	G	A	A	C	T	T	C	A	ACACCGGTGGAGCACATGAACTTCAG	AAAACTGAAGTTCATGTGCTCCACCG
G	G	T	c	G	T	G	C	A	c	A	T	G	A	A	C	T	T	C	A	ACACCGGTCGTGCACATGAACTTCAG	AAAACTGAAGTTCATGTGCACGACCG
G	c	T	G	G	T	G	C	A	c	A	T	G	A	A	C	T	T	C	A	ACACCGCTGGTGCACATGAACTTCAG	AAAACTGAAGTTCATGTGCACCAGCG
G	c	T	G	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	t	ACACCGCTGGTGCAGATGAACTTCTG	AAAACAGAAGTTCATCTGCACCAGCG
G	c	T	G	G	T	G	C	A	G	A	T	G	A	A	g	T	T	C	A	ACACCGCTGGTGCAGATGAAGTTCAG	AAAACTGAACTTCATCTGCACCAGCG
G	c	T	G	G	T	G	C	A	G	A	T	G	t	A	C	T	T	C	A	ACACCGCTGGTGCAGATGTACTTCAG	AAAACTGAAGTACATCTGCACCAGCG
G	c	T	G	G	T	G	C	A	G	A	a	G	A	A	C	T	T	C	A	ACACCGCTGGTGCAGAAGAACTTCAG	AAAACTGAAGTTCTTCTGCACCAGCG
G	c	T	G	G	T	G	g	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCTGGTGGAGATGAACTTCAG	AAAACTGAAGTTCATCTCCACCAGCG
G	c	T	G	G	a	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCTGGAGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCTCCAGCG
G	c	T	c	G	T	G	C	A	G	A	T	G	A	A	C	T	T	C	A	ACACCGCTCGTGCAGATGAACTTCAG	AAAACTGAAGTTCATCTGCACGAGCG

Endogenous Target 1 (*VEGFA* Site 1):

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	oligonucleotide 1 (5' to 3')	oligonucleotide 2 (5' to 3')
G	G	G	T	G	G	G	G	G	G	A	G	T	T	T	G	C	T	C	C	ACACCGGGTGGGGGGAGTTTGCTCCG	AAAACGGAGCAAACTCCCCCCACCCG

Endogenous Target 2 (*VEGFA* Site 2):

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	oligonucleotide 1 (5' to 3')	oligonucleotide 2 (5' to 3')
G	A	C	C	C	C	C	T	C	C	A	C	C	C	C	G	C	C	T	C	ACACCGACCCCCTCCACCCCGCCTCG	AAAACGAGGCGGGGTGGAGGGGGTCG

Endogenous Target 3 (*VEGFA* Site 3):

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	oligonucleotide 1 (5' to 3')	oligonucleotide 2 (5' to 3')
G	G	T	G	A	G	T	G	A	G	T	G	T	G	T	G	C	G	T	G	ACACCGGTGAGTGAGTGTGTGCGTGG	AAAACCACGCACACACTCACTCACCG

Endogenous Target 4 (*EMX1*):

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	oligonucleotide 1 (5' to 3')	oligonucleotide 2 (5' to 3')
G	A	G	T	C	C	G	A	G	C	A	G	A	A	G	A	A	G	A	A	ACACCGAGTCCGAGCAGAAGAAGAAG	AAAACTTCTTCTTCTGCTCGGACTCG

Endogenous Target 5 (*RNF2*):

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	oligonucleotide 1 (5' to 3')	oligonucleotide 2 (5' to 3')
G	T	C	A	T	C	T	T	A	G	T	C	A	T	T	A	C	C	T	G	ACACCGTCATCTTAGTCATTACCTGG	AAAACCAGGTAATGACTAAGATGACG

Endogenous Target 6 (*FANCF*):

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	**oligonucleotide 1 (5' to 3')**	**oligonucleotide 2 (5' to 3')**
G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	A	C	C	ACACCGGAATCCCTTCTGCAGCACCG	AAAACGGTGCTGCAGAAGGGATTCCG