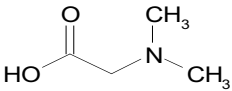
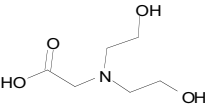
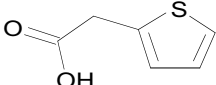
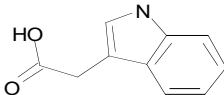
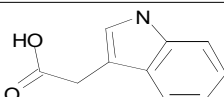
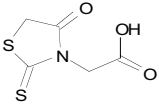
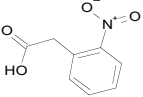
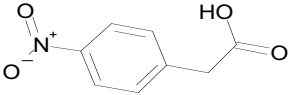
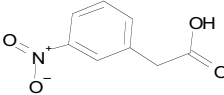
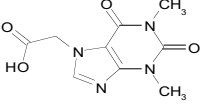
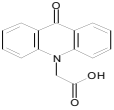
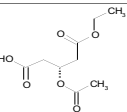
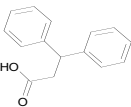
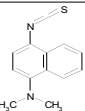
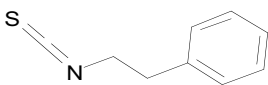
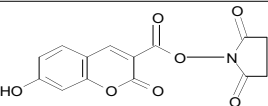
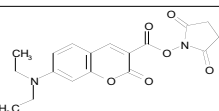
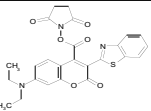
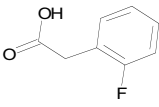
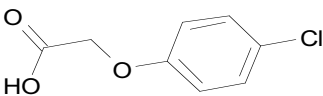
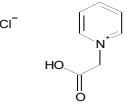
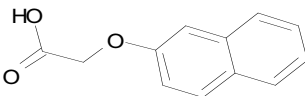
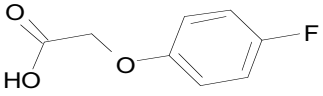
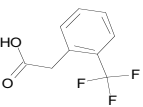
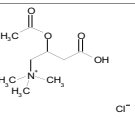
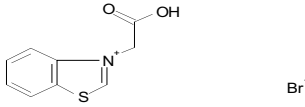
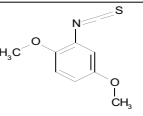
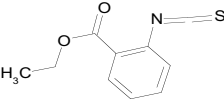
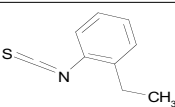
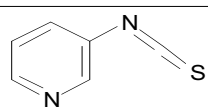
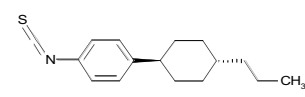
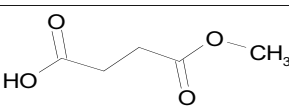
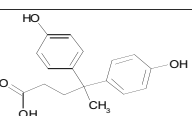
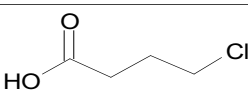
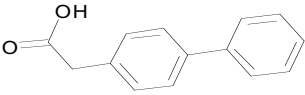
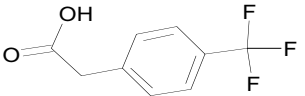
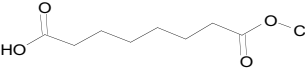
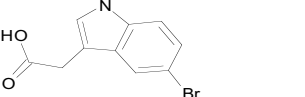
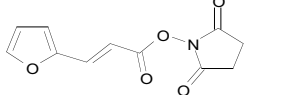
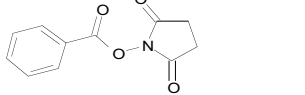
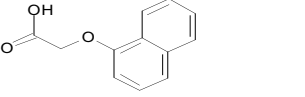
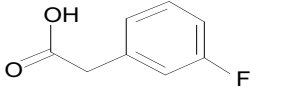
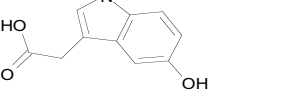
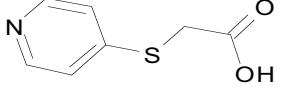
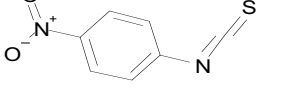


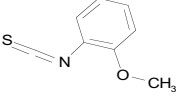
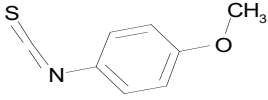
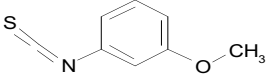
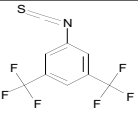
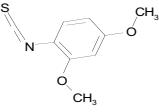
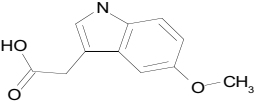
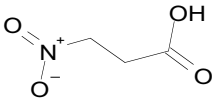
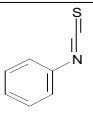
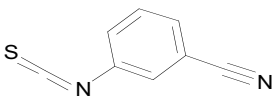
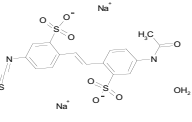
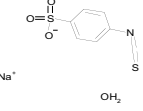
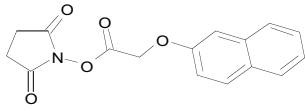
Supplementary Table 1 ESAC library

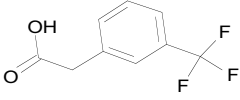
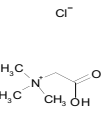
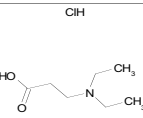
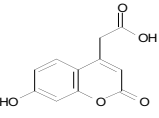
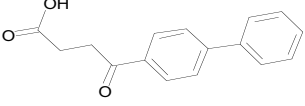
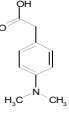
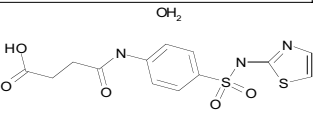
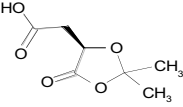
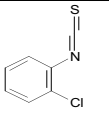
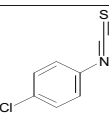
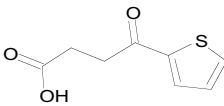
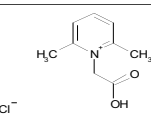
Identifier	compound used for coupling	oligonucleotide sequence >3',5' amino-modified) (5'--	remarks
1		GGAGCTTCTGAATTCTGTGTGCTGAAATAACGACACGAATCCGCAGC	
2		GGAGCTTCTGAATTCTGTGTGCTGAAATGCCGACACGAATCCGCAGC	
3		GGAGCTTCTGAATTCTGTGTGCTGAACGCGCGACACGAATCCGCAGC	
4		GGAGCTTCTGAATTCTGTGTGCTGAACTCTCGACACGAATCCGCAGC	
5		GGAGCTTCTGAATTCTGTGTGCTGAAGAGTCGACACGAATCCGCAGC	
6		GGAGCTTCTGAATTCTGTGTGCTGAAGTTACGACACGAATCCGCAGC	
7		GGAGCTTCTGAATTCTGTGTGCTGAATCGTCGACACGAATCCGCAGC	
8		GGAGCTTCTGAATTCTGTGTGCTGAATTAGCGACACGAATCCGCAGC	
9		GGAGCTTCTGAATTCTGTGTGCTGACACCGCGACACGAATCCGCAGC	
10		GGAGCTTCTGAATTCTGTGTGCTGACACGGCGACACGAATCCGCAGC	

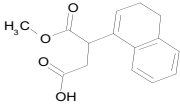
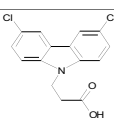
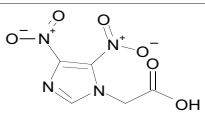
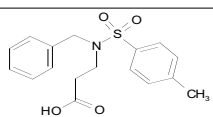
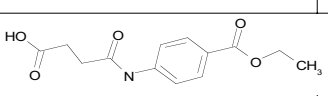
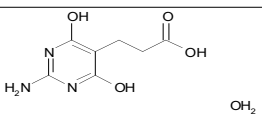
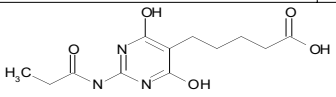
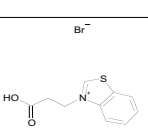
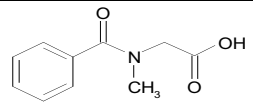
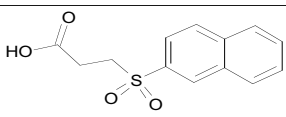
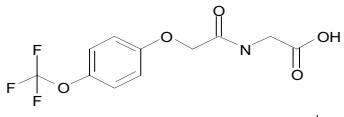
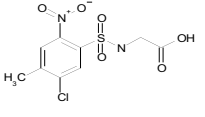
11		GGAGCTTCTGAATTCTGTGTGCTGACATAGCGACACGAATCCGCAGC	
12		GGAGCTTCTGAATTCTGTGTGCTGACCCTTCGACACGAATCCGCAGC	
13		GGAGCTTCTGAATTCTGTGTGCTGACGCCGCGACACGAATCCGCAGC	
14		GGAGCTTCTGAATTCTGTGTGCTGACGGTACGACACGAATCCGCAGC	
15		GGAGCTTCTGAATTCTGTGTGCTGACTACGCGACACGAATCCGCAGC	
16		GGAGCTTCTGAATTCTGTGTGCTGACTAGTCGACACGAATCCGCAGC	
17		GGAGCTTCTGAATTCTGTGTGCTGACTGTGCGACACGAATCCGCAGC	
18		GGAGCTTCTGAATTCTGTGTGCTGACTTGCGACACGAATCCGCAGC	
19		GGAGCTTCTGAATTCTGTGTGCTGAGAAAACGACACGAATCCGCAGC	
20		GGAGCTTCTGAATTCTGTGTGCTGAGAGCTCGACACGAATCCGCAGC	
21		GGAGCTTCTGAATTCTGTGTGCTGAGAGTCCGACACGAATCCGCAGC	
22		GGAGCTTCTGAATTCTGTGTGCTGAGCAATCGACACGAATCCGCAGC	

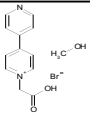
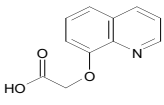
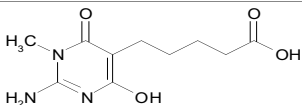
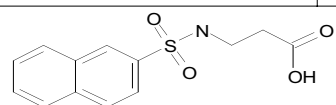
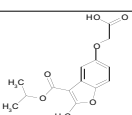
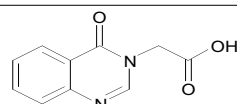
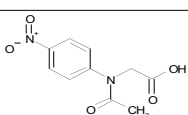
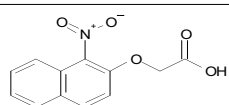
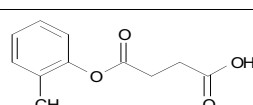
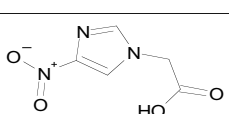
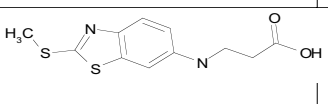
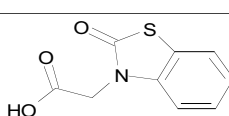
23		GGAGCTTCTGAATTCTGTGTGCTGAGCTATCGACACGAATCCGCAGC	
24		GGAGCTTCTGAATTCTGTGTGCTGAGGACGCGACACGAATCCGCAGC	
25		GGAGCTTCTGAATTCTGTGTGCTGAGGAGGCGACACGAATCCGCAGC	
26		GGAGCTTCTGAATTCTGTGTGCTGAGTACCCGACACGAATCCGCAGC	
27		GGAGCTTCTGAATTCTGTGTGCTGAGTCTCCGACACGAATCCGCAGC	
28		GGAGCTTCTGAATTCTGTGTGCTGAGTTAACGACACGAATCCGCAGC	
29		GGAGCTTCTGAATTCTGTGTGCTGATAAACCGACACGAATCCGCAGC	
30		GGAGCTTCTGAATTCTGTGTGCTGATAACGCGACACGAATCCGCAGC	
31		GGAGCTTCTGAATTCTGTGTGCTGATAAGTCGACACGAATCCGCAGC	precipitation, not used for library
32		GGAGCTTCTGAATTCTGTGTGCTGATCGGGCGACACGAATCCGCAGC	
33		GGAGCTTCTGAATTCTGTGTGCTGATCTCGCGACACGAATCCGCAGC	
34		GGAGCTTCTGAATTCTGTGTGCTGATGTCTCGACACGAATCCGCAGC	

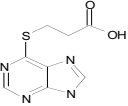
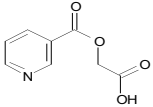
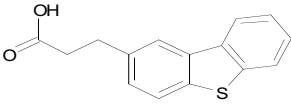
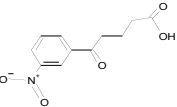
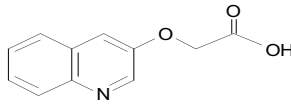
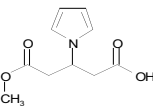
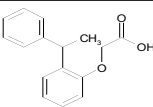
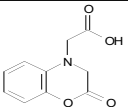
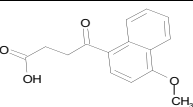
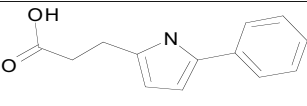
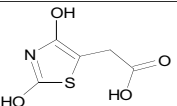
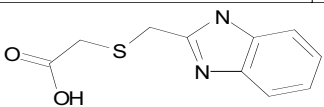
35		GGAGCTTCTGAATTCTGTGTGCTGCAACATCGACACGAATCCGCAGC	
36		GGAGCTTCTGAATTCTGTGTGCTGCAACGCCGACACGAATCCGCAGC	
37		GGAGCTTCTGAATTCTGTGTGCTGCAAGTCCGACACGAATCCGCAGC	
38		GGAGCTTCTGAATTCTGTGTGCTGCAATCCCGACACGAATCCGCAGC	
39		GGAGCTTCTGAATTCTGTGTGCTGCAATGGCGACACGAATCCGCAGC	
40		GGAGCTTCTGAATTCTGTGTGCTGCACCTTCGACACGAATCCGCAGC	
41		GGAGCTTCTGAATTCTGTGTGCTGCAGAAGCGACACGAATCCGCAGC	
42		GGAGCTTCTGAATTCTGTGTGCTGCAGCTACGACACGAATCCGCAGC	
43		GGAGCTTCTGAATTCTGTGTGCTGCAGTAACGACACGAATCCGCAGC	
44		GGAGCTTCTGAATTCTGTGTGCTGCATGGCCGACACGAATCCGCAGC	
45		GGAGCTTCTGAATTCTGTGTGCTGCCAAGCCGACACGAATCCGCAGC	
46		GGAGCTTCTGAATTCTGTGTGCTGCCACGCCGACACGAATCCGCAGC	

47		GGAGCTTCTGAATTCTGTGTGCTGCCACTGCGACACGAATCCGCAGC	
48		GGAGCTTCTGAATTCTGTGTGCTGCCAGTACGACACGAATCCGCAGC	
49		GGAGCTTCTGAATTCTGTGTGCTGCCATAACGACACGAATCCGCAGC	
50		GGAGCTTCTGAATTCTGTGTGCTGCCCCACCGACACGAATCCGCAGC	
51		GGAGCTTCTGAATTCTGTGTGCTGCCCCAGCGACACGAATCCGCAGC	
52		GGAGCTTCTGAATTCTGTGTGCTGCCCCGGTCGACACGAATCCGCAGC	
53		GGAGCTTCTGAATTCTGTGTGCTGCCGTAACGACACGAATCCGCAGC	
54		GGAGCTTCTGAATTCTGTGTGCTGCCTAATCGACACGAATCCGCAGC	
55		GGAGCTTCTGAATTCTGTGTGCTGCCTGCTCGACACGAATCCGCAGC	
56		GGAGCTTCTGAATTCTGTGTGCTGCCTTCTCGACACGAATCCGCAGC	
57		GGAGCTTCTGAATTCTGTGTGCTGCGAATGCGACACGAATCCGCAGC	
58		GGAGCTTCTGAATTCTGTGTGCTGCGCAACCGACACGAATCCGCAGC	

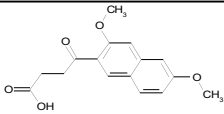
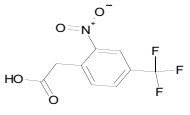
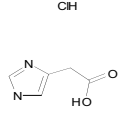
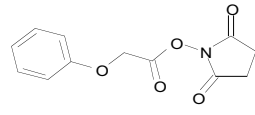
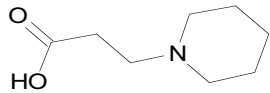
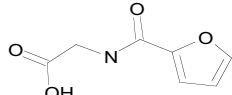
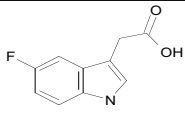
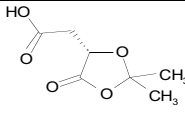
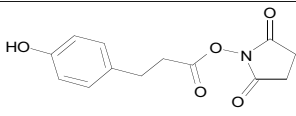
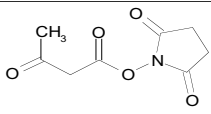
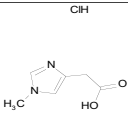
59		GGAGCTTCTGAATTCTGTGTGCTGCGCATCCGACACGAATCCGCAGC	
60		GGAGCTTCTGAATTCTGTGTGCTGCGCCACCGACACGAATCCGCAGC	
61		GGAGCTTCTGAATTCTGTGTGCTGCGCGGCCGACACGAATCCGCAGC	
62		GGAGCTTCTGAATTCTGTGTGCTGCGGTAACGACACGAATCCGCAGC	
63		GGAGCTTCTGAATTCTGTGTGCTGCGGTGACGACACGAATCCGCAGC	
64		GGAGCTTCTGAATTCTGTGTGCTGCGTAATCGACACGAATCCGCAGC	
65		GGAGCTTCTGAATTCTGTGTGCTGCGTGCCCGACACGAATCCGCAGC	
66		GGAGCTTCTGAATTCTGTGTGCTGCTACTCCGACACGAATCCGCAGC	
67		GGAGCTTCTGAATTCTGTGTGCTGCTAGCACGACACGAATCCGCAGC	
68		GGAGCTTCTGAATTCTGTGTGCTGCTAGGACGACACGAATCCGCAGC	
69		GGAGCTTCTGAATTCTGTGTGCTGCTAGGGCGACACGAATCCGCAGC	
70		GGAGCTTCTGAATTCTGTGTGCTGCTATGGCGACACGAATCCGCAGC	

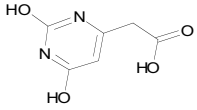
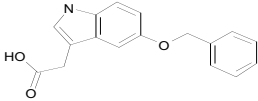
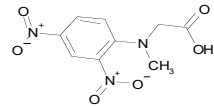
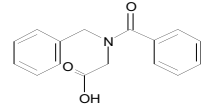
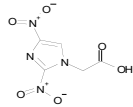
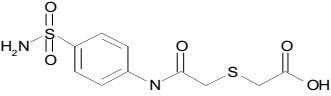
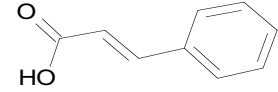
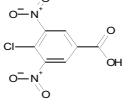
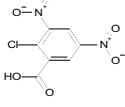
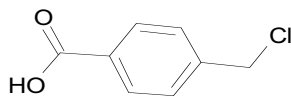
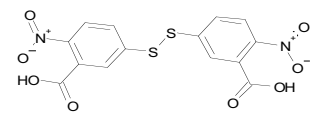
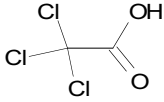
71		GGAGCTTCTGAATTCTGTGTGCTGCTCAACCGACACGAATCCGCAGC	
72		GGAGCTTCTGAATTCTGTGTGCTGCTCCAGCGACACGAATCCGCAGC	
73		GGAGCTTCTGAATTCTGTGTGCTGCTCGGACGACACGAATCCGCAGC	
74		GGAGCTTCTGAATTCTGTGTGCTGCTCTCCGACACGAATCCGCAGC	
75		GGAGCTTCTGAATTCTGTGTGCTGCTCTGACGACACGAATCCGCAGC	
76		GGAGCTTCTGAATTCTGTGTGCTGCTGCATCGACACGAATCCGCAGC	precipitation, not used for library
77		GGAGCTTCTGAATTCTGTGTGCTGCTTATGCGACACGAATCCGCAGC	
78		GGAGCTTCTGAATTCTGTGTGCTGCTTCACCGACACGAATCCGCAGC	
79		GGAGCTTCTGAATTCTGTGTGCTGCTTGCCCGACACGAATCCGCAGC	
80		GGAGCTTCTGAATTCTGTGTGCTGCTTGGTCGACACGAATCCGCAGC	
81		GGAGCTTCTGAATTCTGTGTGCTGCTTGTGCGACACGAATCCGCAGC	precipitation, not used for library
82		GGAGCTTCTGAATTCTGTGTGCTGGAAAGGCGACACGAATCCGCAGC	

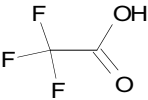
83		GGAGCTTCTGAATTCTGTGTGCTGGAACCTCGACACGAATTCCGCAGC	
84		GGAGCTTCTGAATTCTGTGTGCTGGAACGGCGACACGAATTCCGCAGC	
85		GGAGCTTCTGAATTCTGTGTGCTGGAAGAGCGACACGAATTCCGCAGC	
86		GGAGCTTCTGAATTCTGTGTGCTGGAATCACGACACGAATTCCGCAGC	
87		GGAGCTTCTGAATTCTGTGTGCTGGACCTTCGACACGAATTCCGCAGC	
88		GGAGCTTCTGAATTCTGTGTGCTGGACGTGCGACACGAATTCCGCAGC	
89		GGAGCTTCTGAATTCTGTGTGCTGGACTATCGACACGAATTCCGCAGC	
90		GGAGCTTCTGAATTCTGTGTGCTGGAGGCCCGACACGAATTCCGCAGC	
91		GGAGCTTCTGAATTCTGTGTGCTGGAGTCCCGACACGAATTCCGCAGC	
92		GGAGCTTCTGAATTCTGTGTGCTGGATAAACGACACGAATTCCGCAGC	precipitation, not used for library
93		GGAGCTTCTGAATTCTGTGTGCTGGCCACTCGACACGAATTCCGCAGC	
94		GGAGCTTCTGAATTCTGTGTGCTGGCCTATCGACACGAATTCCGCAGC	precipitation, not used for library

95		GGAGCTTCTGAATTCTGTGTGCTGGCGATCCGACACGAATCCGCAGC	
96		GGAGCTTCTGAATTCTGTGTGCTGGCGTAACGACACGAATCCGCAGC	
97		GGAGCTTCTGAATTCTGTGTGCTGGCGTCTCGACACGAATCCGCAGC	
98		GGAGCTTCTGAATTCTGTGTGCTGGCGTTTCGACACGAATCCGCAGC	
99		GGAGCTTCTGAATTCTGTGTGCTGGCTGGCCGACACGAATCCGCAGC	
100		GGAGCTTCTGAATTCTGTGTGCTGGCTGTACGACACGAATCCGCAGC	
101		GGAGCTTCTGAATTCTGTGTGCTGGCTTTTCGACACGAATCCGCAGC	
102		GGAGCTTCTGAATTCTGTGTGCTGGGAAAGCGACACGAATCCGCAGC	
103		GGAGCTTCTGAATTCTGTGTGCTGGGAGCACGACACGAATCCGCAGC	
104		GGAGCTTCTGAATTCTGTGTGCTGGGAGCGCGACACGAATCCGCAGC	
105		GGAGCTTCTGAATTCTGTGTGCTGGGATTCCGACACGAATCCGCAGC	
106		GGAGCTTCTGAATTCTGTGTGCTGGGCAGTCGACACGAATCCGCAGC	

107		GGAGCTTCTGAATTCTGTGTGCTGGGGGTACGACACGAATCCGCAGC	
108		GGAGCTTCTGAATTCTGTGTGCTGGGTCAACGACACGAATCCGCAGC	
109		GGAGCTTCTGAATTCTGTGTGCTGGGTCTGCGACACGAATCCGCAGC	
110		GGAGCTTCTGAATTCTGTGTGCTGGGTCTCCGACACGAATCCGCAGC	
111		GGAGCTTCTGAATTCTGTGTGCTGGGTACCGACACGAATCCGCAGC	
112		GGAGCTTCTGAATTCTGTGTGCTGGTCACACGACACGAATCCGCAGC	
113		GGAGCTTCTGAATTCTGTGTGCTGGTCGCCCCGACACGAATCCGCAGC	
114		GGAGCTTCTGAATTCTGTGTGCTGGTCTATCGACACGAATCCGCAGC	
115		GGAGCTTCTGAATTCTGTGTGCTGGTGGGGCGACACGAATCCGCAGC	
116		GGAGCTTCTGAATTCTGTGTGCTGGTGTAACGACACGAATCCGCAGC	
117		GGAGCTTCTGAATTCTGTGTGCTGGTTATACGACACGAATCCGCAGC	
118		GGAGCTTCTGAATTCTGTGTGCTGGTTGGCCGACACGAATCCGCAGC	

119		GGAGCTTCTGAATTCTGTGTGCTGGTTTCACGACACGAATCCGCAGC	
120		GGAGCTTCTGAATTCTGTGTGCTGTAATCCCGACACGAATCCGCAGC	
121		GGAGCTTCTGAATTCTGTGTGCTGTACACCCGACACGAATCCGCAGC	
122		GGAGCTTCTGAATTCTGTGTGCTGTACTCGCGACACGAATCCGCAGC	
123	not used	GGAGCTTCTGAATTCTGTGTGCTGTAGCCACGACACGAATCCGCAGC	not used for library
124		GGAGCTTCTGAATTCTGTGTGCTGTAGGATCGACACGAATCCGCAGC	
125		GGAGCTTCTGAATTCTGTGTGCTGTAGTTGCGACACGAATCCGCAGC	
126		GGAGCTTCTGAATTCTGTGTGCTGTCAGGACGACACGAATCCGCAGC	
127		GGAGCTTCTGAATTCTGTGTGCTGTGCGAGACGACACGAATCCGCAGC	
128		GGAGCTTCTGAATTCTGTGTGCTGTGATCCGACACGAATCCGCAGC	
129		GGAGCTTCTGAATTCTGTGTGCTGTGCCCCGACACGAATCCGCAGC	
130		GGAGCTTCTGAATTCTGTGTGCTGTGCGGCGACACGAATCCGCAGC	

131		GGAGCTTCTGAATTCTGTGTGCTGTGCGCTCGACACGAATCCGCAGC	
132		GGAGCTTCTGAATTCTGTGTGCTGTGCGTACGACACGAATCCGCAGC	
133		GGAGCTTCTGAATTCTGTGTGCTGTGCTAGCGACACGAATCCGCAGC	
134		GGAGCTTCTGAATTCTGTGTGCTGTGCTCGCGACACGAATCCGCAGC	
135		GGAGCTTCTGAATTCTGTGTGCTGTCTCGACGACACGAATCCGCAGC	
136		GGAGCTTCTGAATTCTGTGTGCTGTCTTCACGACACGAATCCGCAGC	
137		GGAGCTTCTGAATTCTGTGTGCTGTGAGTCCGACACGAATCCGCAGC	
138		GGAGCTTCTGAATTCTGTGTGCTGTGATGGCGACACGAATCCGCAGC	
139		GGAGCTTCTGAATTCTGTGTGCTGTGCATACGACACGAATCCGCAGC	
140		GGAGCTTCTGAATTCTGTGTGCTGTGCGTCCGACACGAATCCGCAGC	
141		GGAGCTTCTGAATTCTGTGTGCTGTGGGGCCGACACGAATCCGCAGC	
142		GGAGCTTCTGAATTCTGTGTGCTGTGTAACCGACACGAATCCGCAGC	

143		GGAGCTTCTGAATTCTGTGTGCTGTGTGGGCGACACGAATCCGCAGC	
144	not used	GGAGCTTCTGAATTCTGTGTGCTGTTATCACGACACGAATCCGCAGC	not used for library
145	not used	GGAGCTTCTGAATTCTGTGTGCTGTTATCGCGACACGAATCCGCAGC	not used for library
146	not used	GGAGCTTCTGAATTCTGTGTGCTGTTCCGACGACACGAATCCGCAGC	not used for library
147	not used	GGAGCTTCTGAATTCTGTGTGCTGTTGAATCGACACGAATCCGCAGC	not used for library
148	not used	GGAGCTTCTGAATTCTGTGTGCTGTTGATGCGACACGAATCCGCAGC	not used for library
149	not used	GGAGCTTCTGAATTCTGTGTGCTGTTGTAACGACACGAATCCGCAGC	not used for library
150	Biotin	GGAGCTTCTGAATTCTGTGTGCTGTTTCGTCGACACGAATCCGCAGC	not used for library but only for described experiment