

DNA Cutouts (I)

1	3'	A	C	G	T	A	A	G	C	G	A	T	C	C	G	A	T	G	C	T	A	G	C	T	A	G	C	A	T	5'
1	5'	T	G	C	A	A	T	C	G	C	T	A	G	G	C	T	A	C	G	A	T	C	G	A	T	C	G	T	A	3'
2	3'	G	C	T	A	A	G	C	C	T	C	T	A	C	C	G	T	T	A	T	A	G	C	T	T	A	5'			
2	5'	C	G	A	T	T	C	G	G	A	T	A	G	A	T	A	G	C	A	A	T	A	T	C	G	A	A	T	3'	
3	3'	T	A	T	A	G	C	C	T	C	G	T	A	T	A	G	C	T	A	T	C	C	G	T	A	T	C	T	5'	
3	5'	A	T	A	A	T	C	G	G	A	G	C	A	T	A	T	C	G	A	T	A	G	G	C	A	T	A	A	G	3'
4	3'	C	C	G	A	T	C	G	T	A	G	C	A	C	G	C	T	T	A	C	T	A	G	C	T	G	A	5'		
4	5'	G	G	C	T	A	C	C	A	A	T	C	G	T	G	C	G	A	A	T	G	A	T	C	G	A	C	T	3'	
5	3'	C	C	G	T	A	G	C	T	A	T	G	G	A	A	G	C	C	T	A	T	C	T	T	A	C	G	T	A	5'
5	5'	G	G	C	A	T	C	G	A	T	A	C	C	T	T	C	G	G	A	T	C	G	A	A	T	G	C	A	T	3'
6	3'	C	C	G	T	A	C	T	C	G	T	T	A	G	C	C	G	T	T	A	G	C	T	G	G	T	A	A	T	5'
6	5'	G	G	C	A	T	A	A	G	C	A	A	T	C	G	G	C	A	A	T	C	G	A	C	C	A	T	T	A	3'
7	3'	T	T	C	G	A	G	C	T	A	C	C	G	T	A	G	A	T	C	A	T	G	C	T	A	A	T	T	C	5'
7	5'	A	A	G	C	T	C	G	A	T	G	G	C	A	T	C	T	A	G	T	A	C	G	A	T	T	A	A	G	3'
8	3'	A	T	C	C	G	T	A	G	C	T	A	G	C	A	T	T	C	C	G	A	G	C	T	G	C	T	A	A	5'

DNA Cutouts (II)

8	5'	T	A	A	G	C	A	T	C	G	C	T	A	A	G	C	T	C	G	A	T	A	T	T	T	3'
9	3'	T	T	C	A	C	A	G	C	C	T	C	A	G	G	C	T	C	A	T	A	T	A	T	C	5'
9	5'	A	A	T	C	G	T	A	C	G	A	A	G	T	C	G	A	T	A	T	A	T	A	A	G	3'
10	3'	T	T	A	T	A	G	C	T	C	T	T	A	C	A	G	A	T	A	T	A	T	A	T	G	5'
10	5'	A	A	T	C	A	T	C	G	C	C	A	A	T	T	C	T	A	T	C	T	C	C	G	A	3'
11	3'	T	T	A	C	A	G	C	T	A	T	A	A	T	A	G	C	T	A	T	A	T	A	T	A	5'
11	5'	A	A	T	C	G	T	A	G	C	T	A	T	C	G	A	T	T	A	T	C	C	G	A	T	3'
12	3'	T	C	T	A	T	A	G	C	T	A	T	A	T	C	T	A	T	A	T	A	T	A	T	C	5'
12	5'	A	G	C	A	T	A	T	C	G	A	T	A	T	A	C	G	A	T	A	T	A	T	A	G	3'
13	3'	G	G	A	G	C	T	A	C	A	T	A	G	C	A	T	C	G	A	T	C	C	G	A	T	5'
13	5'	C	C	T	C	G	A	T	G	T	A	A	T	C	G	T	A	T	C	G	A	G	G	C	T	3'
14	3'	T	A	G	C	T	A	C	G	T	A	T	A	T	A	C	G	T	A	T	C	G	C	T	A	5'
14	5'	A	T	C	G	A	T	G	C	A	T	A	G	C	T	A	G	T	A	T	A	G	C	G	A	3'
15	3'	T	T	A	G	C	C	C	C	G	C	T	A	T	A	G	C	T	A	T	A	G	C	T	A	5'
15	5'	A	A	T	C	G	G	C	C	G	A	T	A	T	A	T	A	T	C	T	A	T	C	G	A	3'

Primer Cutdowns

5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'
5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'
5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'
5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'
5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'	T	C	G	G	A	5'

5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'
5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'
5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'
5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'
5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'	T	C	G	A	T	5'

5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'
5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'
5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'
5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'
5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'

Primer Cutouts

5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'
5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'
5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'
5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'
5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'

5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'
5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'
5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'
5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'
5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'	T	C	G	A	5'

5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'
5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'
5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'
5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'
5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'	A	A	T	C	G	5'