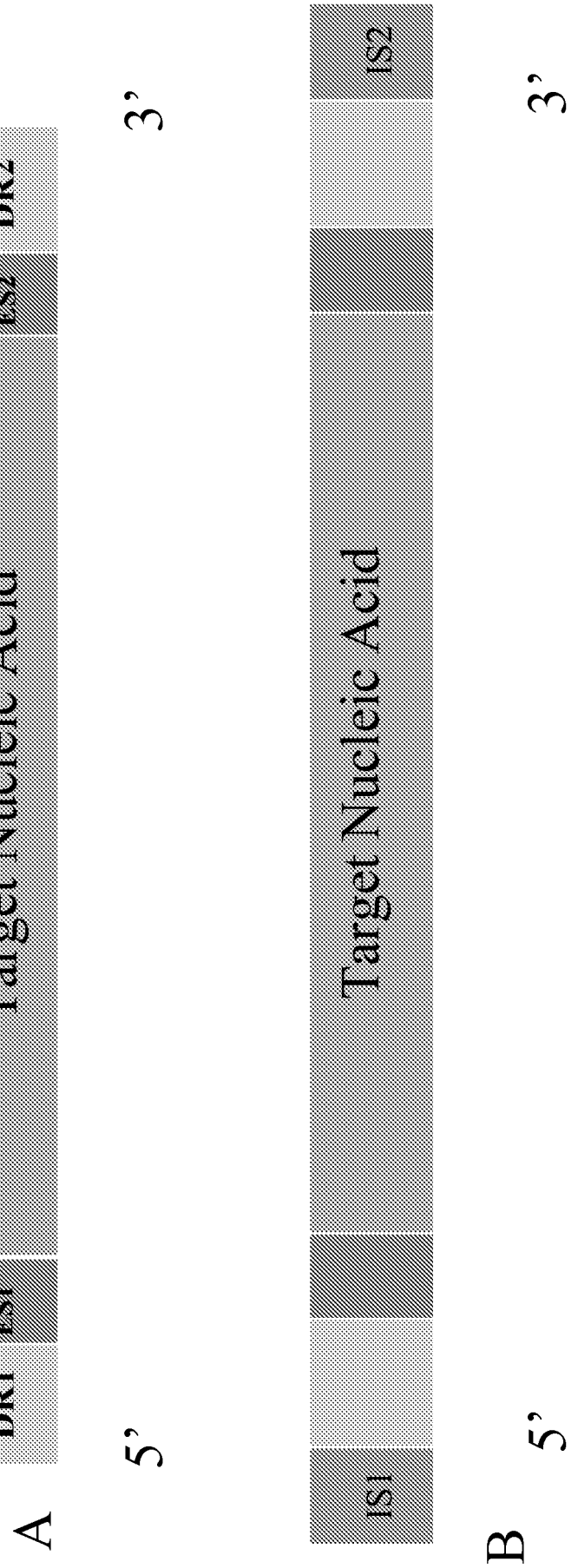

A
5'
3'
DR1
FS1
Target Nucleic Acid
FS2
DR2
B
5'
3'
IS1
Target Nucleic Acid
IS2

FIGURE 1

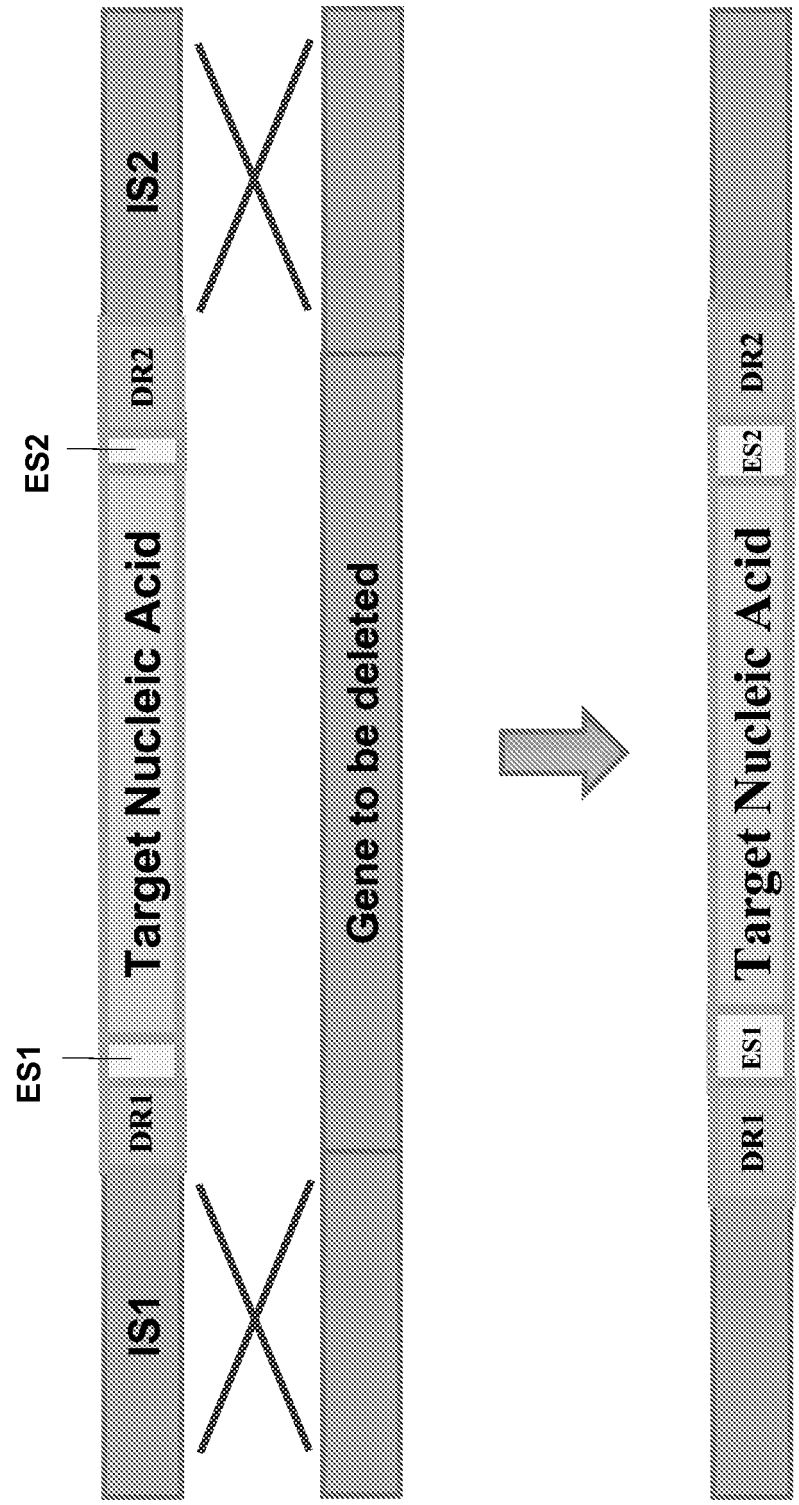

IS2
DR2
ES2
Target Nucleic Acid
ES1
DR1
IS1
Gene to be deleted
DR1
ES1
Target Nucleic Acid
ES2
DR2

FIGURE 2

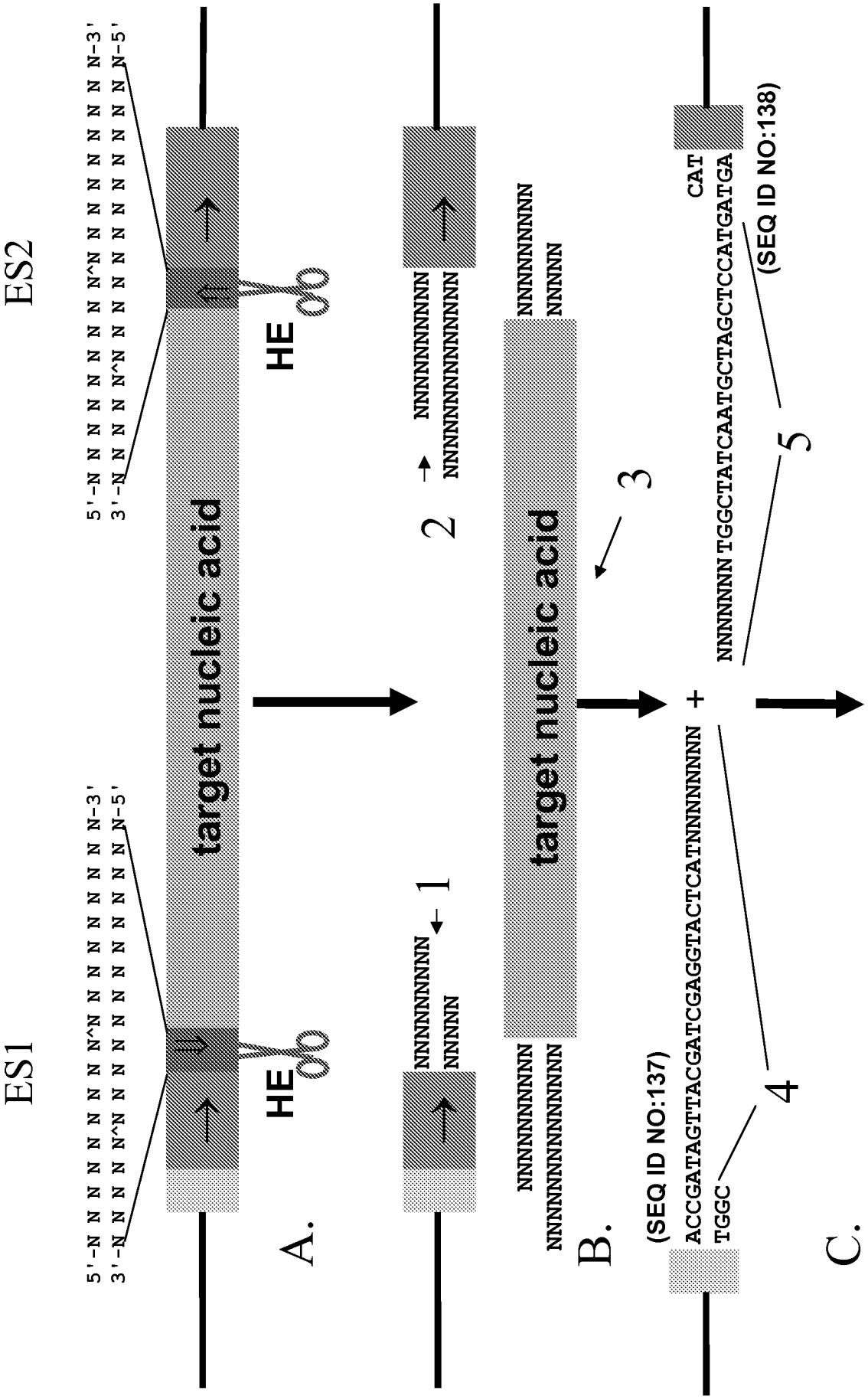

ES1
ES2
5'-N N N N N N N N^N N N N N N N N N-3'
3'-N N N N N^N N N N N N N N N N N-5'
target nucleic acid
HE
A.
NNNNNNNNNN
NNNNN
1
2
NNNNNNNNNN
NNNNNNNNNNNNNNN
3
NNNNNNNNNN
NNNNNNNNNNNNNNN
B.
(SEQ ID NO:137)
ACCGATAGTTACGATCGAGGTACTCATNNNNNNNNN
TGGC
4
+
CAT
NNNNNNN TGGCTATCAATGCTAGCTCCATGATGA
(SEQ ID NO:138)
5
C.

FIGURE 3

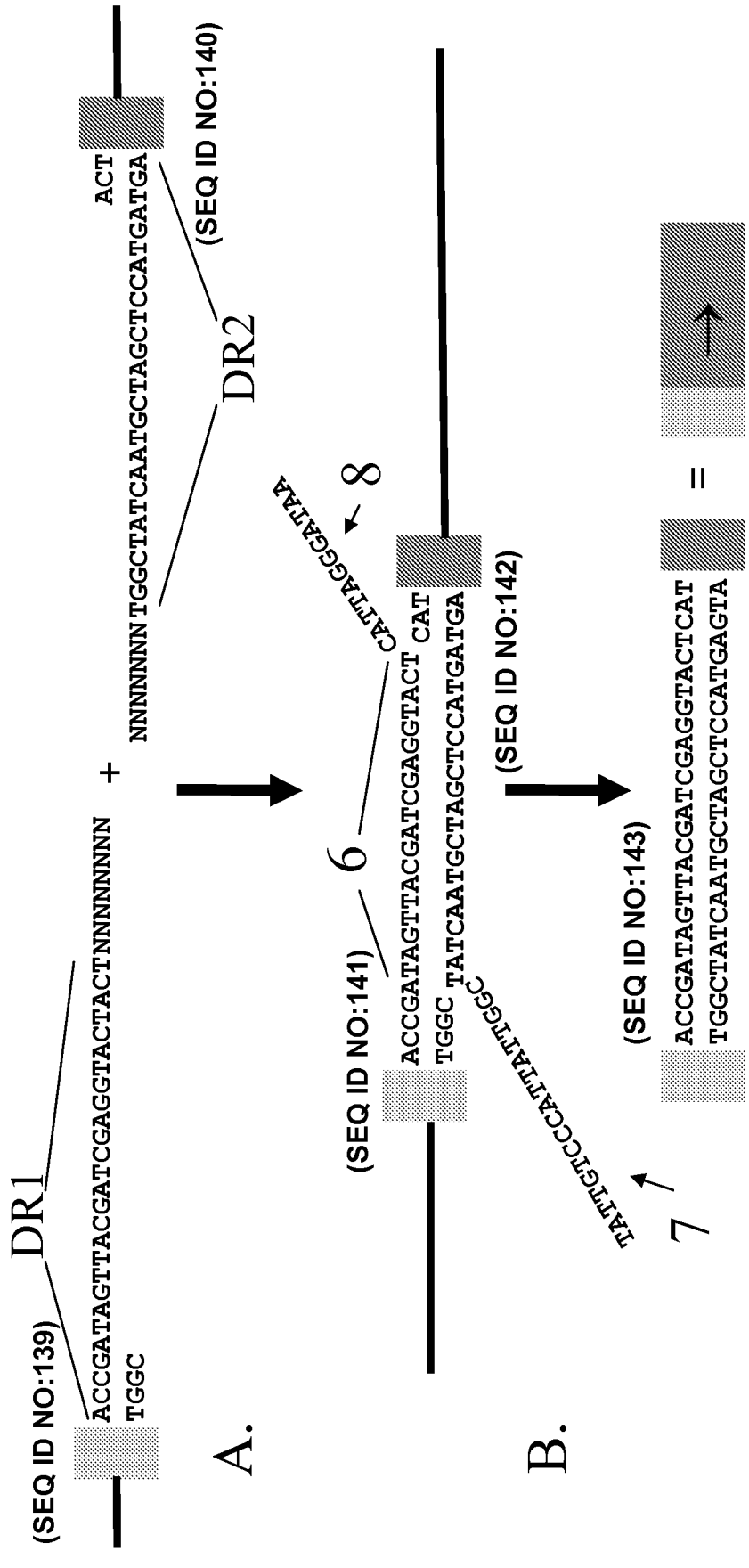

(SEQ ID NO:139)
DR1
ACCGATAGTTACGATCGAGGTACTACTNNNNNNNN
TGGC
+
NNNNNNN TGGCTATCAATGCTAGCTCCATGATGA
ACT
(SEQ ID NO:140)
DR2
A.
8
CATTAGGCAATAA
6
(SEQ ID NO:141)
ACCGATAGTTACGATCGAGGTACT CAT
TGGC TATCAATGCTAGCTCCATGATGA
(SEQ ID NO:142)
B.
TAATGTCCAATAATGGC
7
(SEQ ID NO:143)
ACCGATAGTTACGATCGAGGTACTCAT
TGGCTATCAATGCTAGCTCCATGAGTA
=
(SEQ ID NO:144)
C.

FIGURE 4