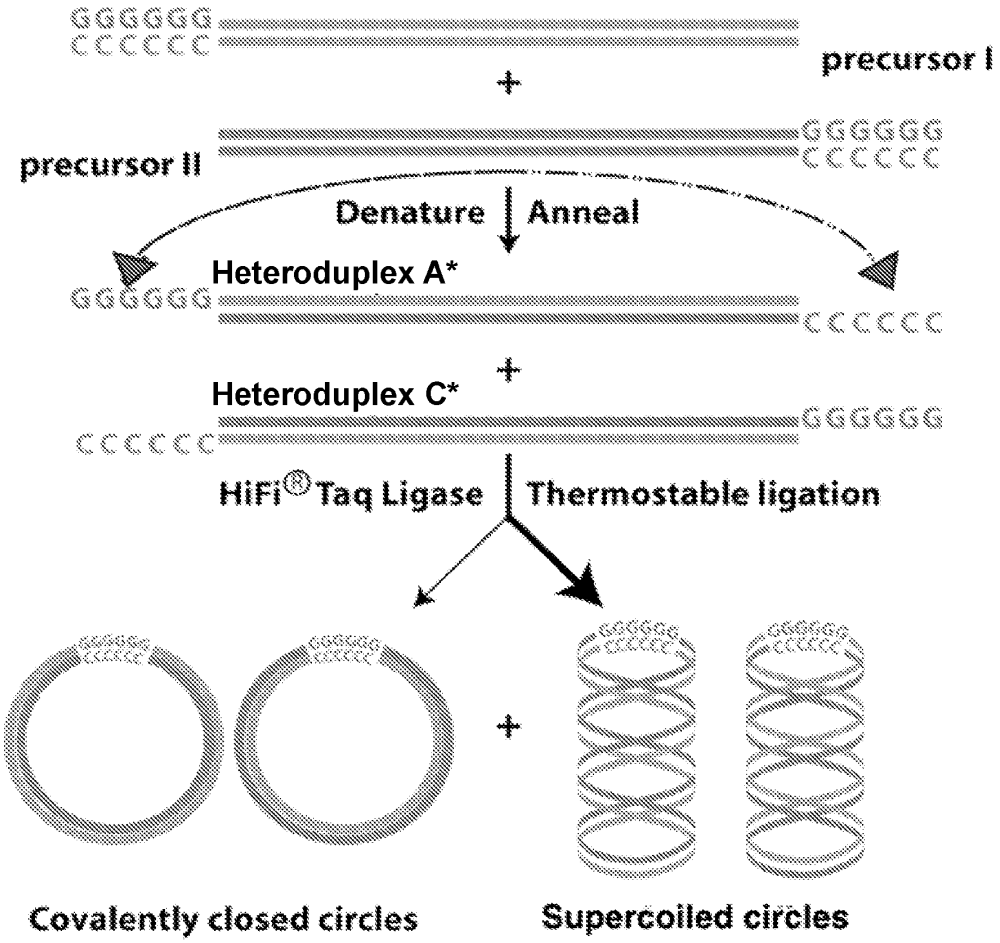

*** See Figure 2 for an illustration of Heteroduplexes B and D**

FIGURE 1 (prior art)

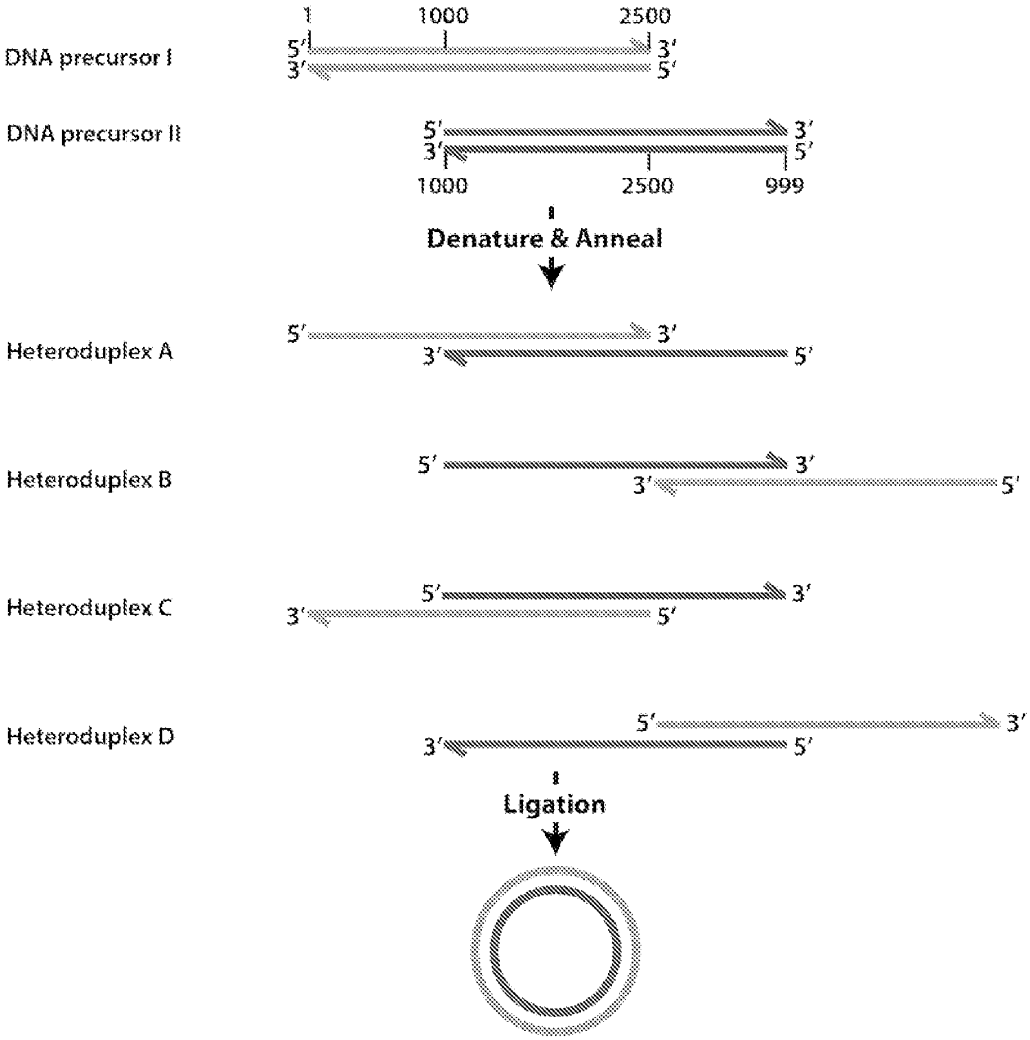
DNA precursor I
1
1000
2500
5′
3′
3′
5′
DNA precursor II
5′
3′
3′
5′
1000
2500
999
Denature & Anneal
Heteroduplex A
5′
3′
3′
5′
Heteroduplex B
5′
3′
3′
5′
Heteroduplex C
5′
3′
3′
5′
Heteroduplex D
5′
3′
3′
5′
Ligation

FIGURE 2

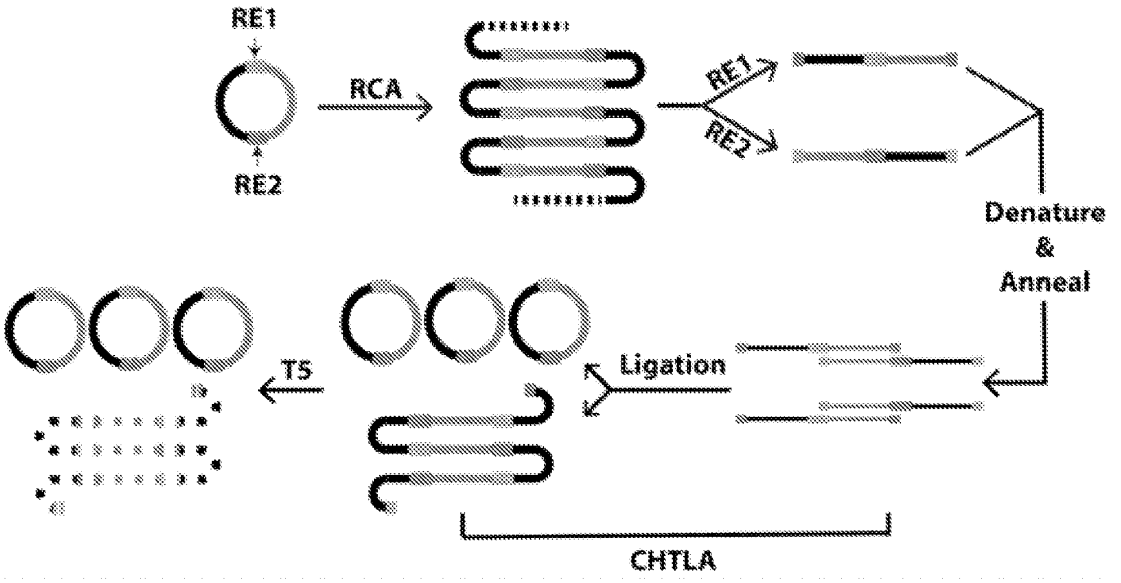

FIGURE 3A

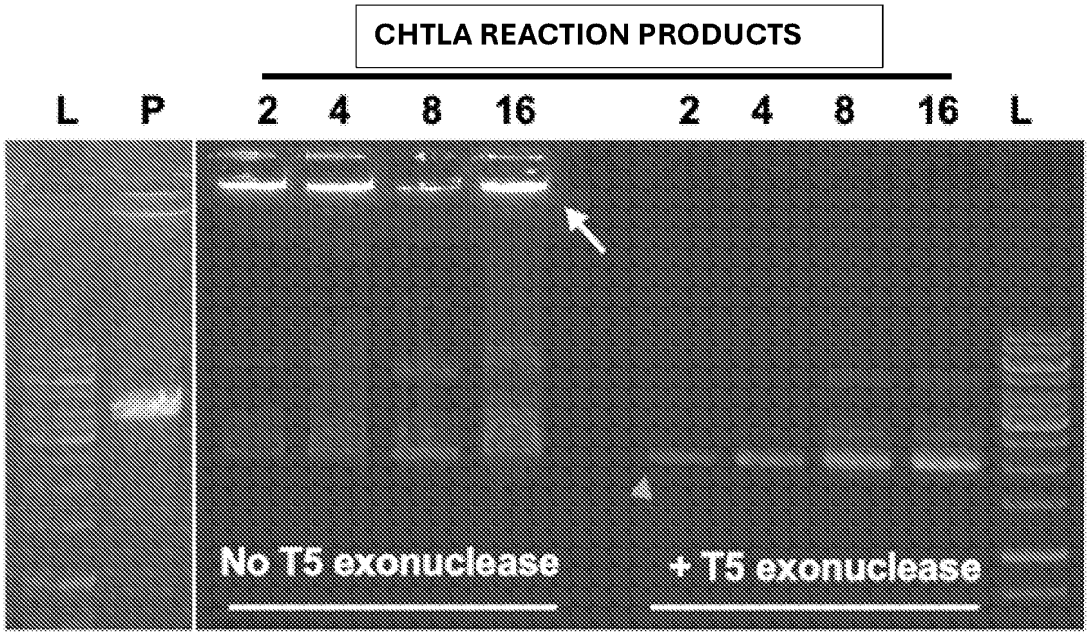

FIGURE 3B

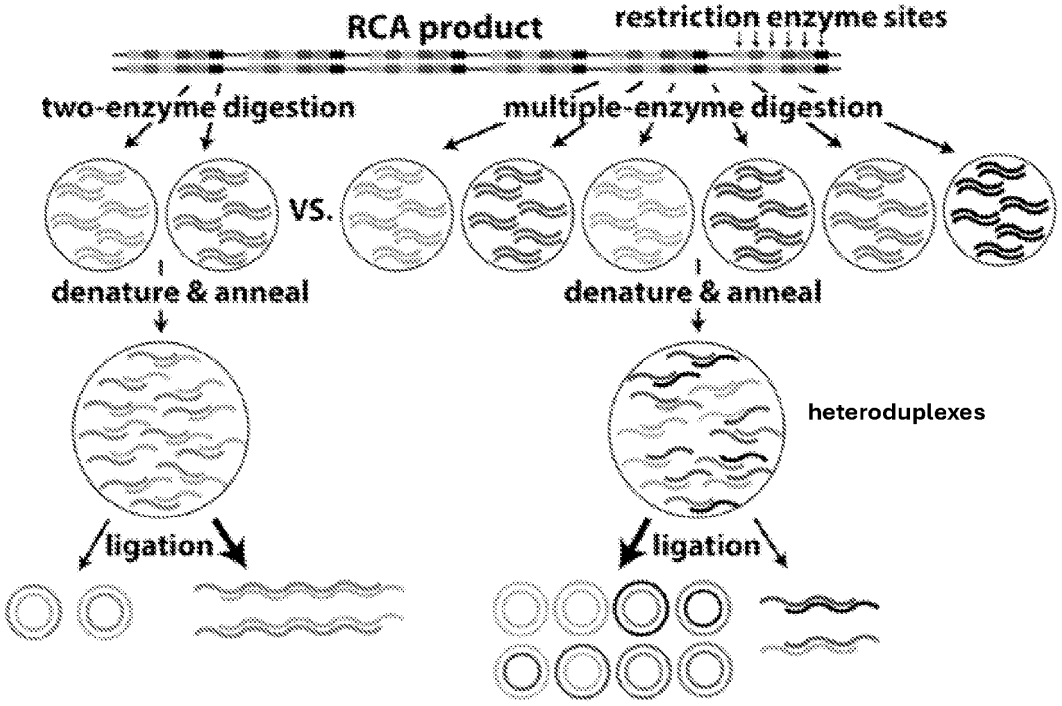

FIGURE 4A

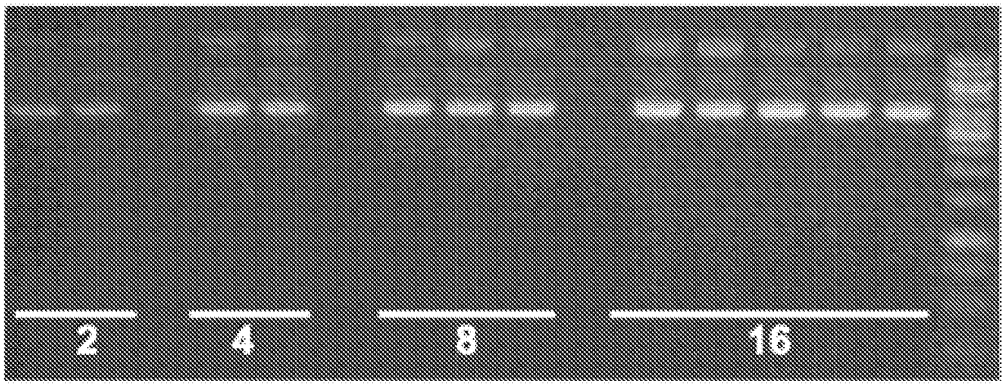

FIGURE 4B

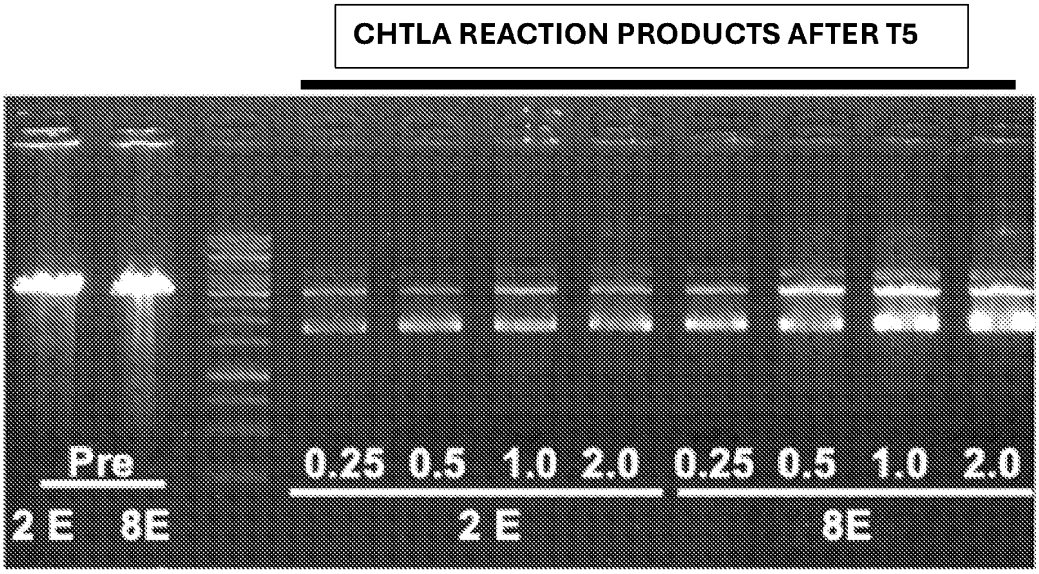
CHTLA REACTION PRODUCTS AFTER T5
Pre
0.25 0.5 1.0 2.0
0.25 0.5 1.0 2.0
2 E 8E
2 E
8E

FIGURE 4C

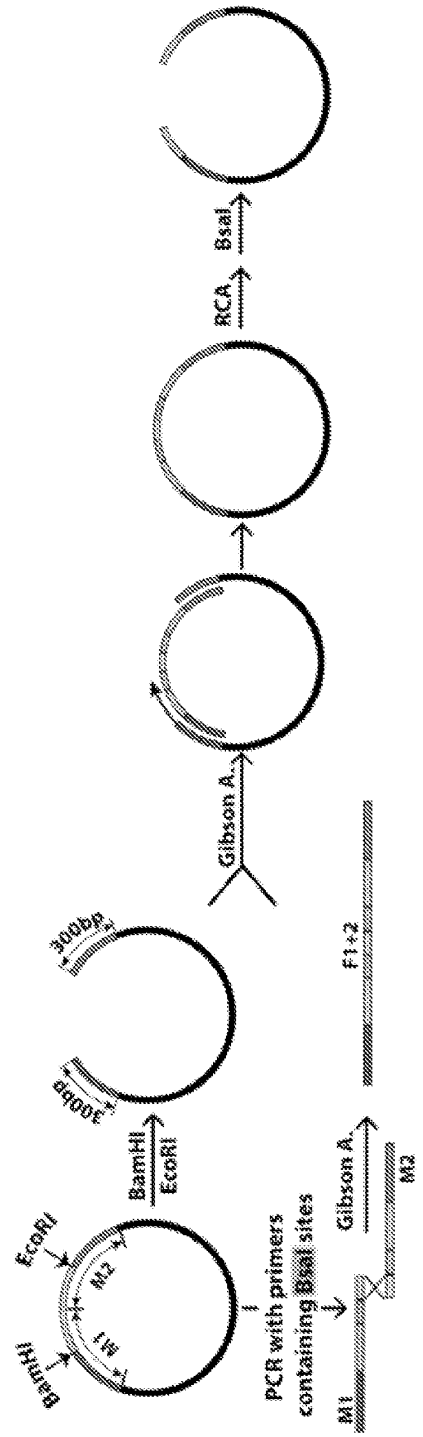

FIGURE 5A

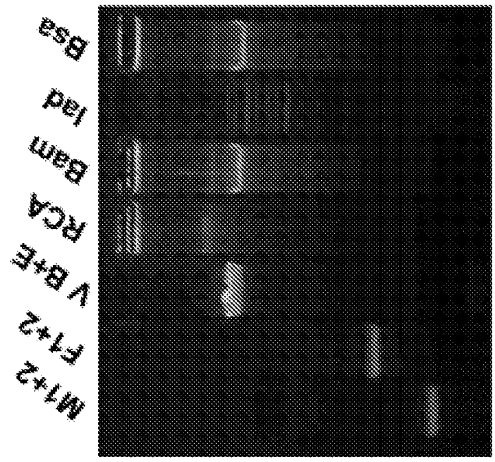

FIGURE 5B

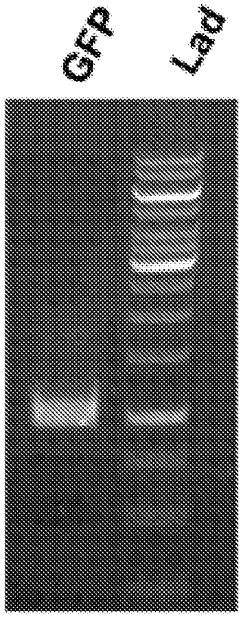

FIGURE 5C

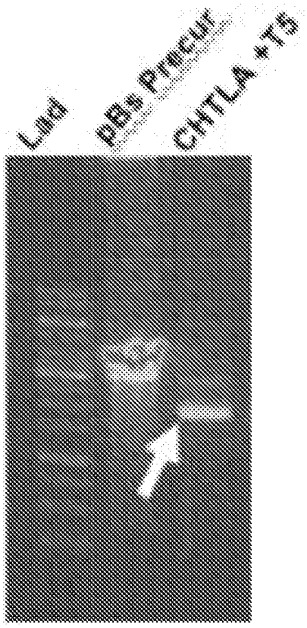

FIGURE 6A

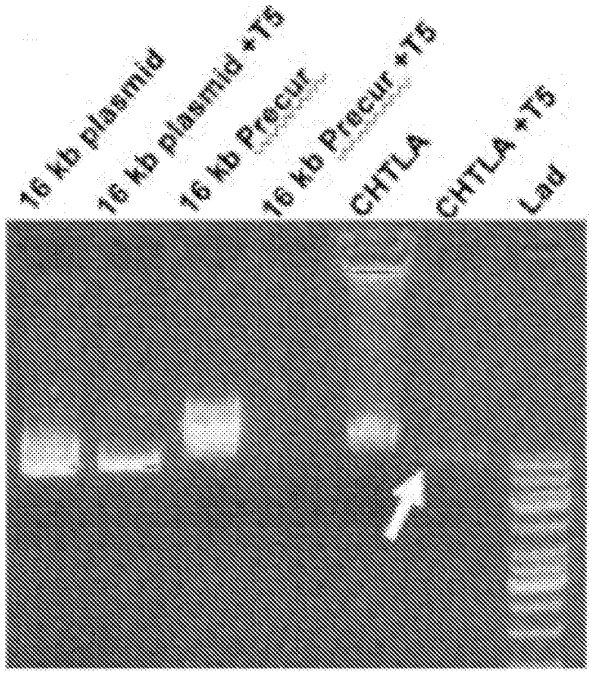

FIGURE 6B

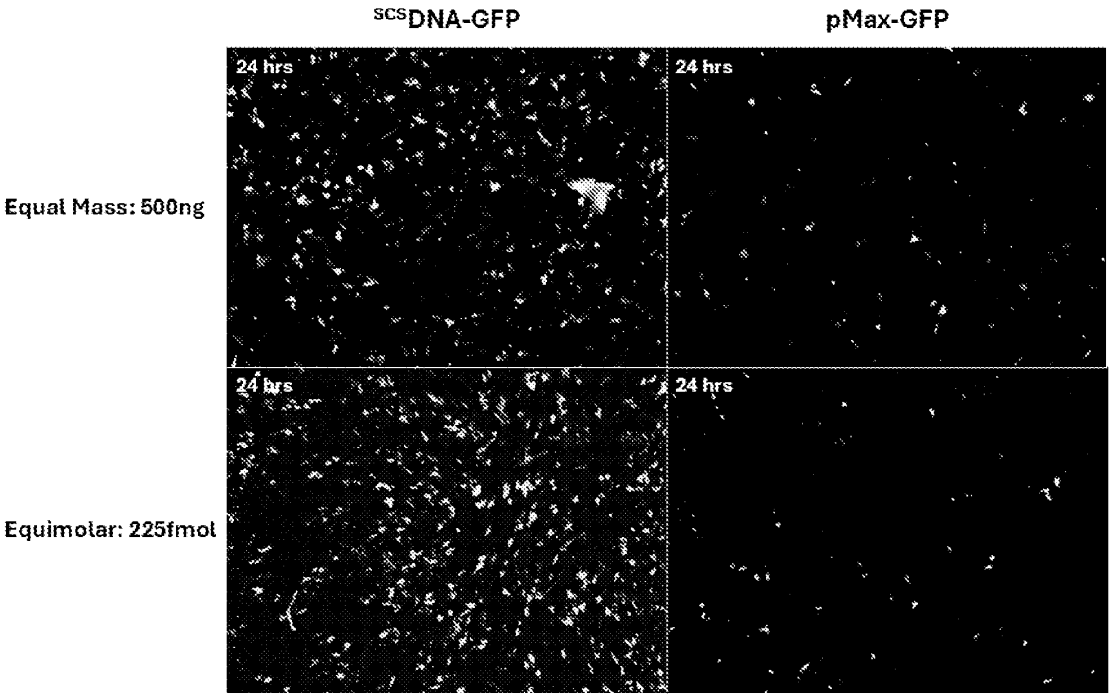

FIGURE 7

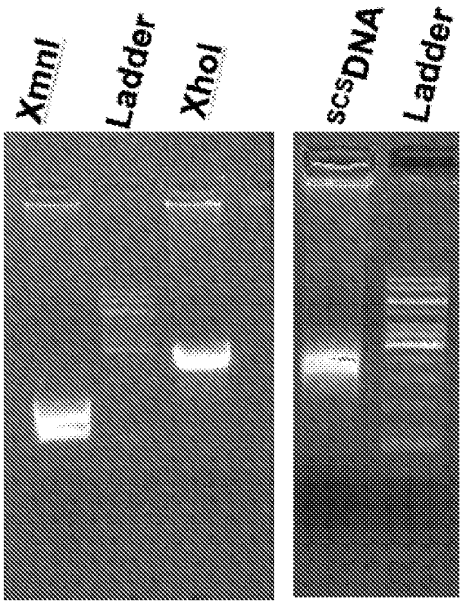

FIGURE 8A

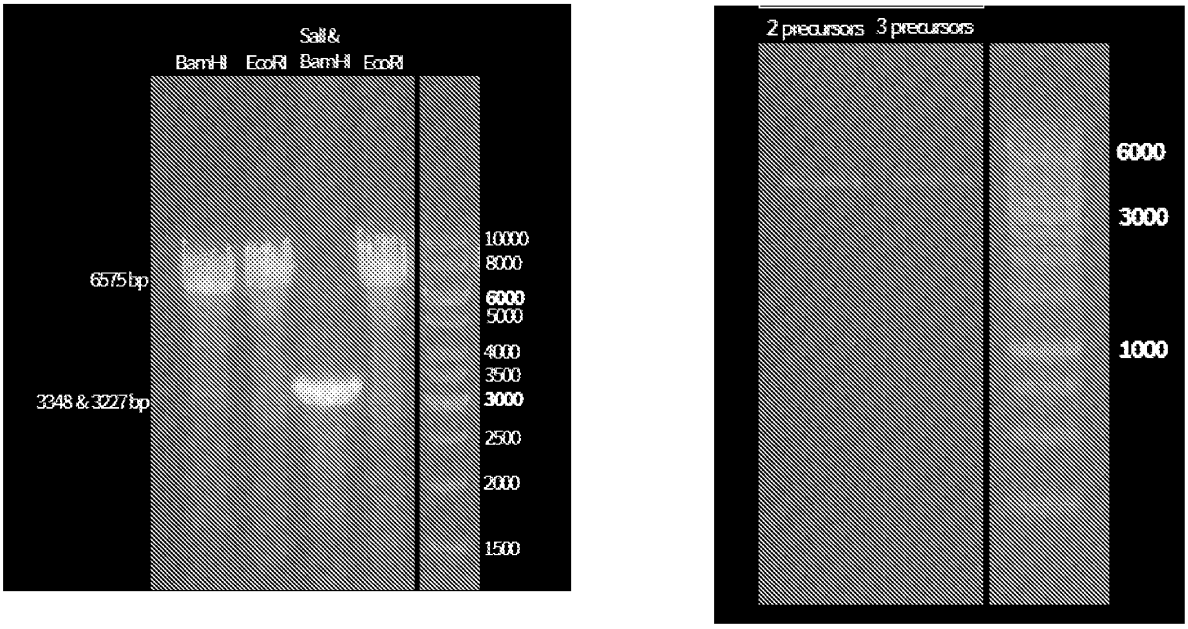

FIGURE 8B