FIGURE 1



Figure 2. Interaction of I-SceI and DNA at 3' end of recognition sequence

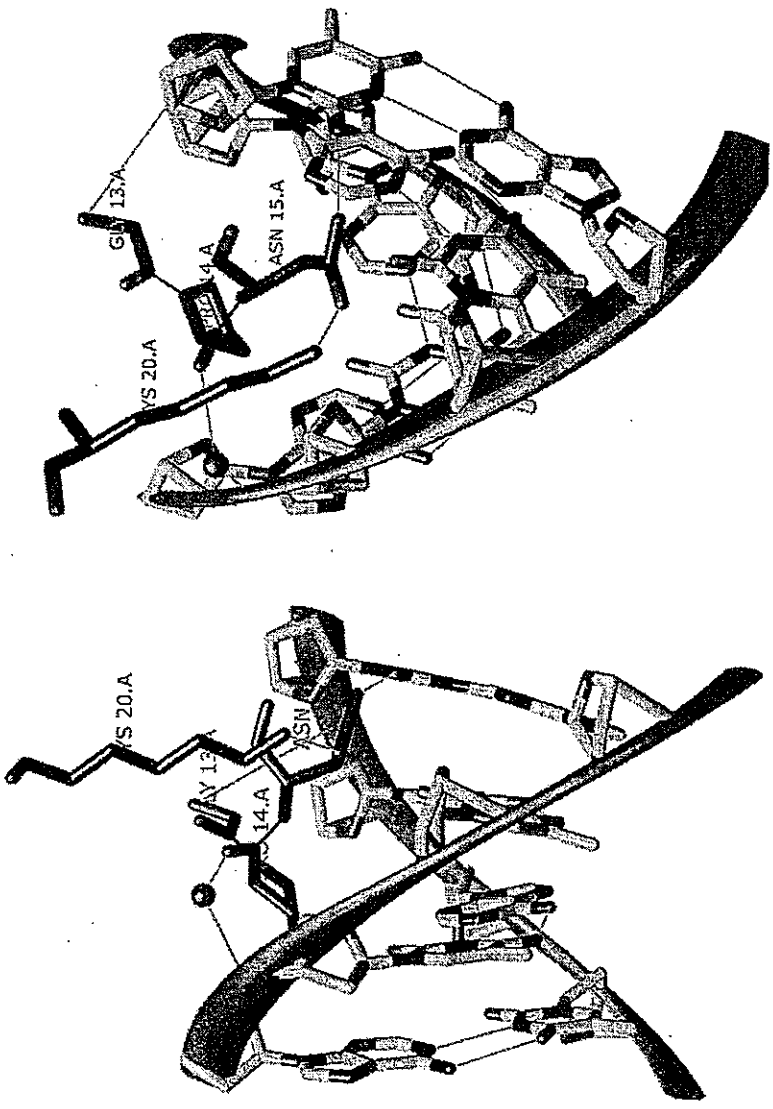


Figure 3. Interaction of the 5' end of the I-Scel recognition sequence with I-Scel.

WT	TAGGGATAACAGGGTAAT
T3	*CGT*GGAT*C*ACAGGG*GTCT*
T4	*CTG*GGATAACAGG*AAGGA*

Figure 4. Sequence recognition mechanism of I-CreI

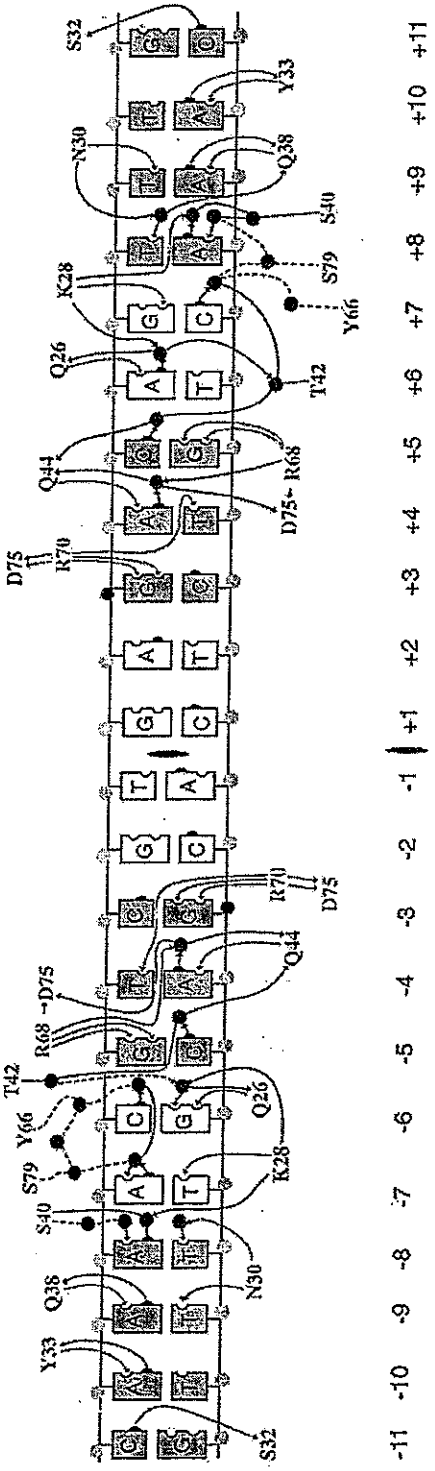


Figure 5. Schematic diagram of the strategy for altering recognition sequence of I-CreI.

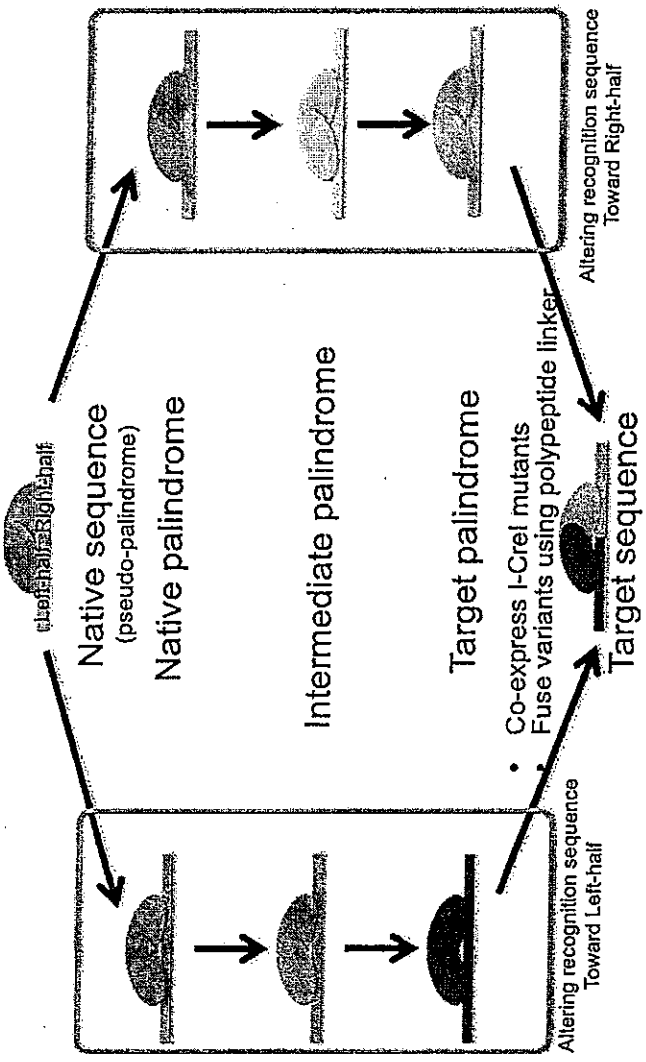
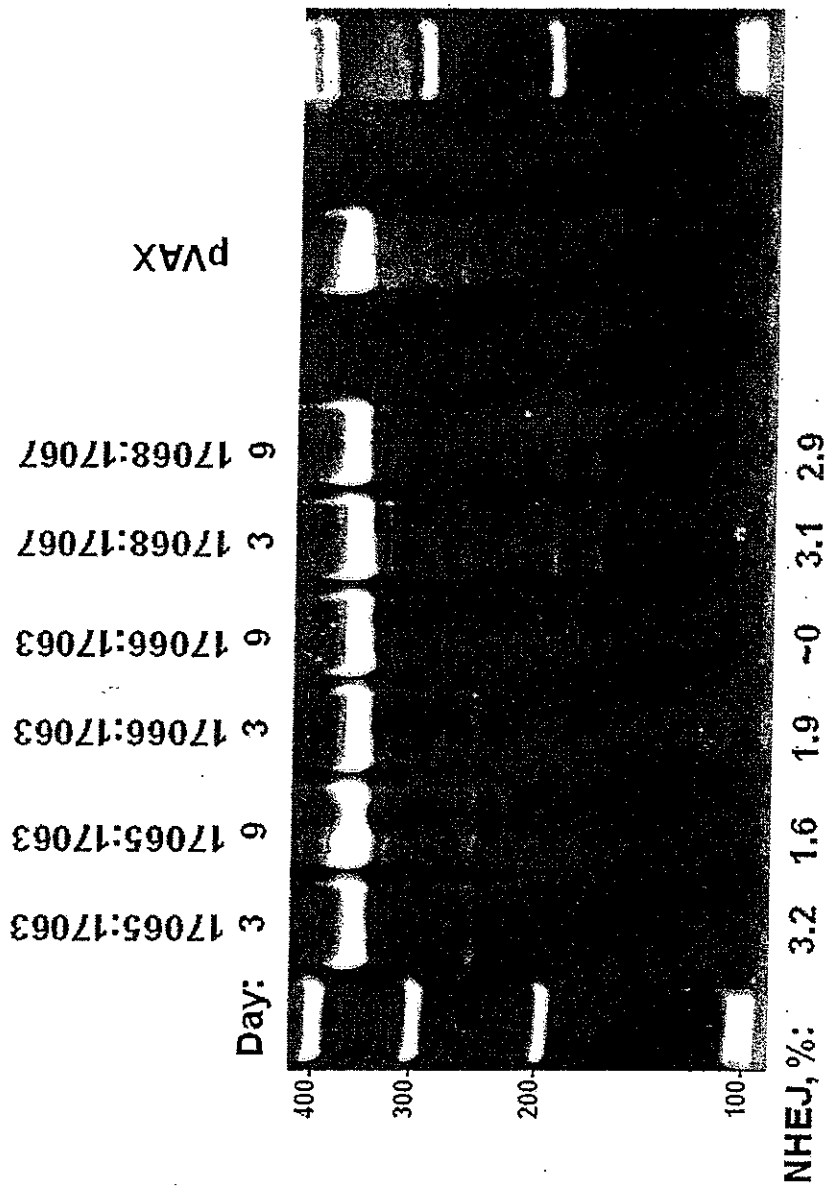


Figure 6


pVAX
17068:17067
17066:17063
17065:17063
Day:
3
9
3
9
3
9
NHEJ, %:
3.2
1.6
1.9
~0
3.1
2.9
400
300
200
100