

5' TGTGGAAAGATCTTCGACA~~xXXXXXX~~~~XXX~~xATTACATTA 3'
 3' ACACCTTCTAGAAGCTGT~~xXXXXXX~~~~XXX~~xTAATGTAAT 5'

Substitute target site

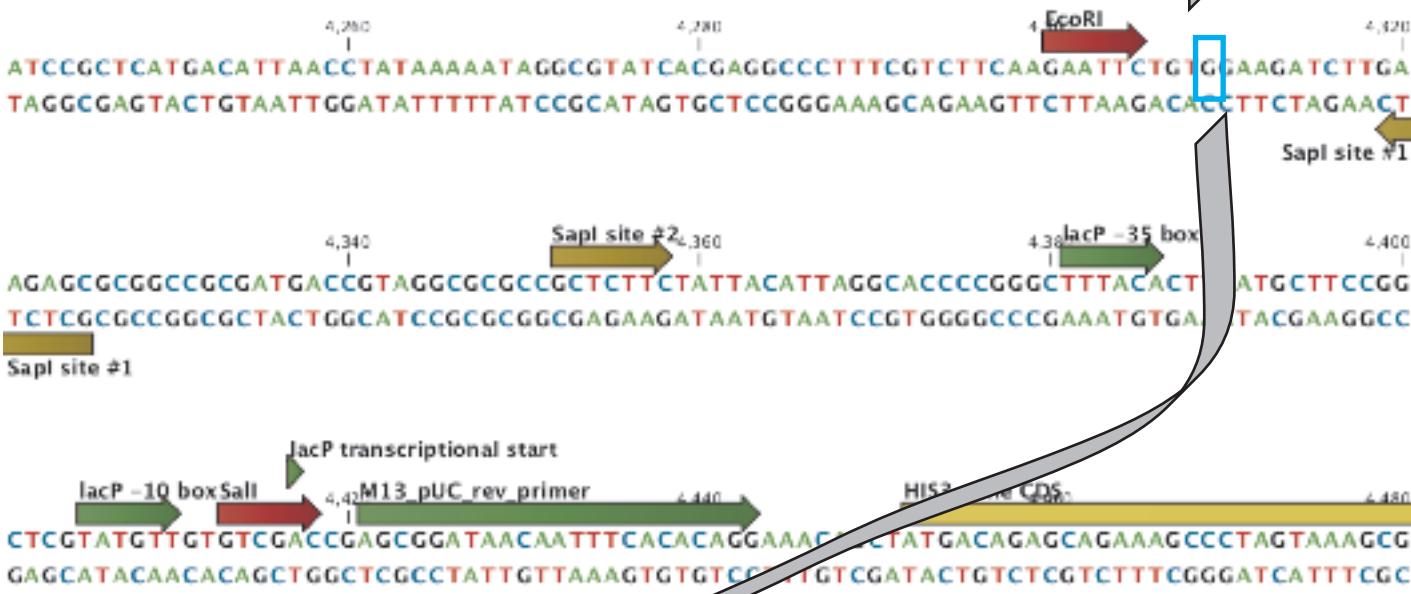
5' TGTGGAAAGATCTTCGACA~~cGC~~~~GAA~~~~GTT~~~~c~~ATTACATTA 3'
 3' ACACCTTCTAGAAGCTGT~~gCG~~~~CCT~~~~CAA~~~~g~~TAATGTAAT 5'

Synthesize and anneal oligonucleotides

5' TGTGGAAAGATCTTCGACA~~cGC~~~~GAA~~~~GTT~~~~c~~ 3'
 3' AGCTGT~~gCG~~~~CCT~~~~CAA~~~~g~~TAATGTAAT 5'

Figure 4 | Strategy for designing binding-site oligonucleotides. Figure reproduced from Wright *et al.*⁷⁶. Schematic illustrating the design of target zinc-finger binding-site oligonucleotides as described in Box 1.

NATURE PROTOCOLS | VOL.4 NO.10 | 2009 | 1477



pKJ1712 sequence (before insertion of oligo)

Supplementary Fig. 5 Sequence of *Eco*RI-*Sal*I segment of the binding site reporter

GAATTCTGT~~C~~GAAGATCTTCGACAXXXXXXXXXXATTACATTAGGCACCCC
 GGGCTTACACTTATGCTTCGGCTCGTATGTTGTCGAC