CRISPR Genomic DNA Target Sequence 1 of 4

|  |
| --- |
| DNA cds 5’ 🡪 3’  |
|  | 1 |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  | 20 |
| 5’ PO4- | G | C | G | C | T | A | T | A | T | A | T | A | G | T | A | T | A | T | A | T |
| 3’ HO- | C | G | C | G | A | T | A | T | A | T | A | T | C | A | T | A | T | A | T | A |
| DNA temp 3’ 🡪 5’ | PROMOTOR: bp 5-27, 🡪 |

CRISPR Genomic DNA Target Sequence 2 of 4

|  |
| --- |
| DNA cds 5’ 🡪 3’  |
| 21 |  |  |  |  |  |  |  | 30 |  |  |  |  |  |  |  | 40 |
| A | C | G | A | T | A | T | A | T | G | G | A | G | T | A | T | G | C | T | C |
| T | G | C | T | A | T | A | T | A | C | C | T | C | A | T | A | C | G | A | G |
| 🡨 PROMOTOR: bp 5-27 | DNA temp 3’ 🡪 5’ | Coding Region 🡪 |

CRISPR Genomic DNA Target Sequence 3 of 4

|  |
| --- |
| DNA cds 5’ 🡪 3’  |
| 41 |  |  |  |  |  |  |  |  |  | 51 |  |  |  |  |  | 60 |
| A | C | G | A | T | A | T | A | T | G | T | A | G | T | A | T | G | C | T | C |
| T | G | C | T | A | T | A | T | A | C | A | T | C | A | T | A | C | G | A | G |
| 🡨 Coding Region bp 35-67🡪 |

CRISPR Genomic DNA Target Sequence 4 of 4

|  |
| --- |
| DNA cds 5’ 🡪 3’  |
| 61 |  |  |  |  |  |  |  | 70 |  |  |  |  |  |  | 79 |  |
| A | C | G | G | T | A | A | A | T | G | T | A | G | T | A | T | G | C | T | 3’ OH |
| T | G | C | C | A | T | T | T | A | C | A | T | C | A | T | A | C | G | A | 5’ PO4 |
| 🡨 Coding Region | DNA template 3’ 🡪 5’ |