Gene barK

Promoter

ATGTAGAGGACCGACGGGGAAACCCTGGACATAGGGAATCCCGTCGTTCGGACTAGTTAAAGCAGAC

1,800

1,808

1,816

1,824

1,832

1,840

1,848

1,856

1,864

Gene kanR

TCAGCAACCTGGTTTAAAGTGGAACATACACCGGCAGCTAACCAACGGTGACGAGAGTGACTCTATGTCG
1,944
1,952
1,960
1,968
1,976
1,984
1,992
2,000
2,008

Gene kanR

CTGGACCGGCAGTGGCTTCGTTTCTAACGCGATCATACCGCTGCCACCGGTTGGTACGAAGGAACCCAGC

2.016 2.024 2.032 2.040 2.048 2.056 2.064 2.072 2.080

Gene kanR

GATCTCAAACCATGTCATTGTCGTCTTGAATTATGCCTTTATGGAAACCAAACTAAGAGTCTGTAATAGA
2,080 2,088 2,096 2,104 2,112 2,120 2,128 2,136 2,144

Gene kanR

CATCAATCGACCACGGAGGCCGTCGTAGTGGCCGGGCTTTATTACCCGGAAAGGGTACCTTATCGAG
2,152 2,160 2,168 2,176 2,184 2,192 2,200 2,208 2,216

Gene kanR

TCATGAGGTATGGAGAAATAGGTCTCAAATGGCCTAAAAGCAGAACATCATGTGATTCACTTCATTTATA
2,24 2,232 2,240 2,248 2,256 2,264 2,272 2,280 2,288

Gene kanR

AGGAATTGCCGAACACCGCCTAAGCTAGCTATGCTGAATGCGACTCACCATAACACGCTGTCTATTTGAT

2,296 2,304 2,312 2,320 2,328 2,336 2,344 2,352 2,360

Gene kanR

Gene kanR

GCGCAATACATGTTGACGAATTGGCTTGACAAGACCCATCGATTAGAGAAAGGAGGTAGCGGAATAACAT

2,432 2,440 2,448 2,456 2,464 2,472 2,480 2,488 2,496

Gene kanR kanR terminator

AAGCCGACGTATCTGTGCACGGTAAACATCTGAAAGCGTTGTTCTGTAGGCCAACCCCAGGGTAAAAATG

2,504 2,512 2,520 2,528 2,536 2,544 2,552 2,560 2,568

kanR terminator

ACATGATAAACCACTACCATCGATGTTCGAAGACAGGTTAATATATACTTTCTGCGGCTTAGTCAGCTGC

2,576 2,584 2,592 2,600 2,608 2,616 2,624 2,632 2,

2,370 2,301 2,332 2,000 2,010 2,021

GGCAGACAGTGCTATGGGCGTACATTCCTATGACACCCTAACACACGCGCCCATAATGCGCTGGCACCGGT

- GGCAGACAG IGCTA IGGGCGTACATICCTA IGACACCTAACAACACGCGCCATAA IGCGCTGGCACCGG

2,640 2,648 2,656 2,664 2,672 2,680 2,688 2,696 2,704

CAAAATCTGAAACGCACGGCGTCCATCCCACGCTGCCGCT

2,712 2,720 2,728 2,736 2,744