LOCUS CZP38\pu6a:sgRNA-2 3014 bp DNA circular SYN 8-OCT-2022

SOURCE synthetic DNA construct.

ORGANISM synthetic DNA construct

REFERENCE 1 (bases 1 to 3014)

AUTHORS zhangchong

TITLE Direct Submission

JOURNAL Exported Monday, Sep 26, 2022 from SnapGene 5.0.5 to Vector NTI(R)

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https://www.snapgene.com

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http://www.invitrogen.com/

COMMENT ORIGDB|GenBank

COMMENT VNTDATE|-14589761|

COMMENT VNTDBDATE|-14603706|

COMMENT LSOWNER|

COMMENT VNTNAME|CZP38 pu6a:sgRNA-2|

COMMENT VNTAUTHORNAME|xf|

COMMENT VNTOAUTHORNAME|zhangchong|

FEATURES Location/Qualifiers

primer\_bind 1..17

/vntifkey="28"

/label=M13\fwd

/note="common sequencing primer, one of multiple similar variants"

misc\_feature 40..43

/vntifkey="21"

/label=feature\sequences

promoter 44..445

/vntifkey="30"

/label=U6a\promoter

misc\_feature 442..481

/vntifkey="21"

/label=sgRNA\replace\site

misc\_feature 574..577

/vntifkey="21"

/label=feature\sequences

CDS 944..1735

/codon\_start=1

/gene="aadA"

/product="aminoglycoside adenylyltransferase (Murphy,

1985)"

/vntifkey="4"

/label=SmR

/note="confers resistance to spectinomycin and streptomycin"

rep\_origin 1828..2416

/direction=RIGHT

/vntifkey="33"

/label=ori

/note="high-copy-number ColE1/pMB1/pBR322/pUC origin of replication"

terminator 2746..2773

/vntifkey="43"

/label=rrnB\T2\terminator

/note="transcription terminator T2 from the E. coli rrnB gene"

terminator 2865..2951

/gene="Escherichia coli rrnB"

/vntifkey="43"

/label=rrnB\T1\terminator

/note="transcription terminator T1 from the E. coli rrnB gene"

BASE COUNT 725 a 784 c 801 g 704 t

ORIGIN

1 gtaaaacgac ggccagtctt aagctcgggc ccggtctcta gtctttctcc agcctcggtc

61 attcagtaag acgagtttcc tgctctcggc gtcttttgtt ctggtcttca aggagggggg

121 aaatgttctg cgcatgcctg tgggggaggg agaaggacac gtcactgaaa acgtccctgc

181 atcacaccga gacacccaat cactcaagcc aagaccagat aattttgcat atgctttaca

241 gtttgaaaat taccacggta atccctcaca caaactctgg atttgagatc tttcaggttt

301 tatcagtttg caggtttatg tcaccatgat atagggtcag acttgatcta agggagctga

361 ataagtggtt tagtcactca ccacctccca aaaacatacc cagaagtccc tggtatatat

421 agctctccct ccagctcttg gttcgagaga cgacactgca gactgtcgac cgtctctgtt

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601 cagaaatgcc tcgacttcgc tgctacccaa ggttgccggg tgacgcacac cgtggaaacg

661 gatgaaggca cgaacccagt ggacataagc ctgttcggtt cgtaagctgt aatgcaagta

721 gcgtatgcgc tcacgcaact ggtccagaac cttgaccgaa cgcagcggtg gtaacggcgc

781 agtggcggtt ttcatggctt gttatgactg tttttttggg gtacagtcta tgcctcgggc

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901 tgttacgcag cagggcagtc gccctaaaac aaagttaaac attatgaggg aagcggtgat

961 cgccgaagta tcgactcaac tatcagaggt agttggcgtc atcgagcgcc atctcgaacc

1021 gacgttgctg gccgtacatt tgtacggctc cgcagtggat ggcggcctga agccacacag

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1141 gatcaacgac cttttggaaa cttcggcttc ccctggagag agcgagattc tccgcgctgt

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1261 actgcaattt ggagaatggc agcgcaatga cattcttgca ggtatcttcg agccagccac

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1381 aggtccagcg gcggaggaac tctttgatcc ggttcctgaa caggatctat ttgaggcgct

1441 aaatgaaacc ttaacgctat ggaactcgcc gcccgactgg gctggcgatg agcgaaatgt

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1561 tgtcgctgcc gactgggcaa tggagcgcct gccggcccag tatcagcccg tcatacttga

1621 agctagacag gcttatcttg gacaagaaga agatcgcttg gcctcgcgcg cagatcagtt

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1741 gagccaccca tgaccaaaat cccttaacgt gagttacgcg tcgttccact gagcgtcaga

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1861 cttgcaaaca aaaaaaccac cgctaccagc ggtggtttgt ttgccggatc aagagctacc

1921 aactcttttt ccgaaggtaa ctggcttcag cagagcgcag ataccaaata ctgtccttct

1981 agtgtagccg tagttaggcc accacttcaa gaactctgta gcaccgccta catacctcgc

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2101 ggactcaaga cgatagttac cggataaggc gcagcggtcg ggctgaacgg ggggttcgtg

2161 cacacagccc agcttggagc gaacgaccta caccgaactg agatacctac agcgtgagca

2221 ttgagaaagc gccacgcttc ccgaagggag aaaggcggac aggtatccgg taagcggcag

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3001 ccagtcacga cgtt

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