LOCUS CZP39\pu6b:sgRNA-3 3046 bp DNA circular SYN 8-OCT-2022

SOURCE synthetic DNA construct.

ORGANISM synthetic DNA construct

REFERENCE 1 (bases 1 to 3046)

AUTHORS zhangchong

TITLE Direct Submission

JOURNAL Exported Tuesday, Sep 27, 2022 from SnapGene 5.0.5 to Vector NTI(R)

format

https://www.snapgene.com

COMMENT This file is created by Vector NTI

http://www.invitrogen.com/

COMMENT ORIGDB|GenBank

COMMENT VNTDATE|-14589762|

COMMENT VNTDBDATE|-14603705|

COMMENT LSOWNER|

COMMENT VNTNAME|CZP39 pu6b:sgRNA-3|

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

misc\_feature 44..477

/vntifkey="21"

/label=U6b\promoter

misc\_feature 474..513

/vntifkey="21"

/label=sgRNA\replace\site

misc\_feature 606..609

/vntifkey="21"

/label=feature\sequences

CDS 976..1767

/codon\_start=1

/gene="aadA"

/product="aminoglycoside adenylyltransferase (Murphy,

1985)"

/vntifkey="4"

/label=SmR

/note="confers resistance to spectinomycin and streptomycin"

rep\_origin 1860..2448

/direction=RIGHT

/vntifkey="33"

/label=ori

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

terminator 2778..2805

/vntifkey="43"

/label=rrnB\T2\terminator

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

terminator 2897..2983

/gene="Escherichia coli rrnB"

/vntifkey="43"

/label=rrnB\T1\terminator

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

BASE COUNT 745 a 785 c 807 g 709 t

ORIGIN

1 gtaaaacgac ggccagtctt aagctcgggc ccggtctctc tcattaccct ccacgtgtct

61 gtctgggttt tcatgggctc tgctctagtg agagcagctt ccttttgtcg gagtgttttg

121 tgctcttatc caaggcaggg gggatctgcg catgcctgtg gggggaggag aaggacacgt

181 gaacaaaagc tcctcgatgt cacacaggaa gttcaggaac tcatccaatc actctaaaga

241 aacggcctgt ttccttcgca tacgcttaca gctccaaaac tctacggtaa acctacataa

301 actgctggtt ttcaaatttt aaagaattta agggtttaca ggtttactac tacacagtga

361 tttactgaca catgtaagtg taaatgagtt gaataagtaa gtaagccata taccacacat

421 gaaacacata cccagaagtc actggtatat atagccgtcc tccagactcc cagttcgaga

481 gacgacactg cagactgtcg accgtctctg tttaagagct atgctggaaa cagcatagca

541 agtttaaata aggctagtcc gttatcaact tgaaaaagtg gcaccgagtc ggtgcttttt

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901 ggtcgatgtt tgatgttatg gagcagcaac gatgttacgc agcagggcag tcgccctaaa

961 acaaagttaa acattatgag ggaagcggtg atcgccgaag tatcgactca actatcagag

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1261 atcattccgt ggcgttatcc agctaagcgc gaactgcaat ttggagaatg gcagcgcaat

1321 gacattcttg caggtatctt cgagccagcc acgatcgaca ttgatctggc tatcttgctg

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1501 ccgcccgact gggctggcga tgagcgaaat gtagtgctta cgttgtcccg catttggtac

1561 agcgcagtaa ccggcaaaat cgcgccgaag gatgtcgctg ccgactgggc aatggagcgc

1621 ctgccggccc agtatcagcc cgtcatactt gaagctagac aggcttatct tggacaagaa

1681 gaagatcgct tggcctcgcg cgcagatcag ttggaagaat ttgtccacta cgtgaaaggc

1741 gagatcacca aggtagtcgg caaataaccc tcgagccacc catgaccaaa atcccttaac

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1861 tgagatcctt tttttctgcg cgtaatctgc tgcttgcaaa caaaaaaacc accgctacca

1921 gcggtggttt gtttgccgga tcaagagcta ccaactcttt ttccgaaggt aactggcttc

1981 agcagagcgc agataccaaa tactgtcctt ctagtgtagc cgtagttagg ccaccacttc

2041 aagaactctg tagcaccgcc tacatacctc gctctgctaa tcctgttacc agtggctgct

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2161 gcgcagcggt cgggctgaac ggggggttcg tgcacacagc ccagcttgga gcgaacgacc

2221 tacaccgaac tgagatacct acagcgtgag cattgagaaa gcgccacgct tcccgaaggg

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2761 gagtttgtag aaacgcaaaa aggccatccg tcaggatggc cttctgctta gtttgatgcc

2821 tggcagttta tggcgggcgt cctgcccgcc accctccggg ccgttgcttc acaacgttca

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