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)

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 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

 601 ttaaaccaaa gagacctcta gaccagccag gacagaaatg cctcgacttc gctgctaccc

 661 aaggttgccg ggtgacgcac accgtggaaa cggatgaagg cacgaaccca gtggacataa

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 781 accttgaccg aacgcagcgg tggtaacggc gcagtggcgg ttttcatggc ttgttatgac

 841 tgtttttttg gggtacagtc tatgcctcgg gcatccaagc agcaagcgcg ttacgccgtg

 901 ggtcgatgtt tgatgttatg gagcagcaac gatgttacgc agcagggcag tcgccctaaa

 961 acaaagttaa acattatgag ggaagcggtg atcgccgaag tatcgactca actatcagag

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 1081 tccgcagtgg atggcggcct gaagccacac agtgatattg atttgctggt tacggtgacc

 1141 gtaaggcttg atgaaacaac gcggcgagct ttgatcaacg accttttgga aacttcggct

 1201 tcccctggag agagcgagat tctccgcgct gtagaagtca ccattgttgt gcacgacgac

 1261 atcattccgt ggcgttatcc agctaagcgc gaactgcaat ttggagaatg gcagcgcaat

 1321 gacattcttg caggtatctt cgagccagcc acgatcgaca ttgatctggc tatcttgctg

 1381 acaaaagcaa gagaacatag cgttgccttg gtaggtccag cggcggagga actctttgat

 1441 ccggttcctg aacaggatct atttgaggcg ctaaatgaaa ccttaacgct atggaactcg

 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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