LOCUS CZP40\pu6c:sgRNA-4 3012 bp DNA circular SYN 8-OCT-2022

SOURCE synthetic DNA construct.

ORGANISM synthetic DNA construct

REFERENCE 1 (bases 1 to 3012)

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|-14589763|

COMMENT VNTDBDATE|-14603707|

COMMENT LSOWNER|

COMMENT VNTNAME|CZP40 pu6c:sgRNA-4|

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..443

/vntifkey="30"

/label=U6c\promoter

misc\_feature 440..479

/vntifkey="21"

/label=sgRNA\replace\site

misc\_feature 572..575

/vntifkey="21"

/label=feature\sequences

CDS 942..1733

/codon\_start=1

/gene="aadA"

/product="aminoglycoside adenylyltransferase (Murphy,

1985)"

/vntifkey="4"

/label=SmR

/note="confers resistance to spectinomycin and streptomycin"

rep\_origin 1826..2414

/direction=RIGHT

/vntifkey="33"

/label=ori

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

terminator 2744..2771

/vntifkey="43"

/label=rrnB\T2\terminator

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

terminator 2863..2949

/gene="Escherichia coli rrnB"

/vntifkey="43"

/label=rrnB\T1\terminator

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

BASE COUNT 728 a 774 c 814 g 696 t

ORIGIN

1 gtaaaacgac ggccagtctt aagctcgggc ccggtctctc caatccgaga gtctgtgaat

61 gtttcgatgg gccgtttgct ggcgtctgag catgttgtcc tctggtctgc ggcgggggaa

121 ggtccgcgca tgcctgtggg ggaaggcgaa ggacacgagg acaaaagatc agttacgtca

181 cagaagaact catccaatca cacaagccta aaaccagctt cctctgcata tgctttacag

241 ttcaaaaata ctacggtaaa cctctacaaa actgctggtt tcaaactttg aaggttttaa

301 gcgtttgcag gtttgccccg aagaggttta ctgtcatgtt tgaggtaaat gagttgaata

361 agtaggttta tccacttacc acatggcaga aacataccca gaagtcccgg gtttatatag

421 cagttctcca ggctcctagt tcgagagacg acactgcaga ctgtcgaccg tctctgttta

481 agagctatgc tggaaacagc atagcaagtt taaataaggc tagtccgtta tcaacttgaa

541 aaagtggcac cgagtcggtg ctttttttaa acctgagaga cctctagacc agccaggaca

601 gaaatgcctc gacttcgctg ctacccaagg ttgccgggtg acgcacaccg tggaaacgga

661 tgaaggcacg aacccagtgg acataagcct gttcggttcg taagctgtaa tgcaagtagc

721 gtatgcgctc acgcaactgg tccagaacct tgaccgaacg cagcggtggt aacggcgcag

781 tggcggtttt catggcttgt tatgactgtt tttttggggt acagtctatg cctcgggcat

841 ccaagcagca agcgcgttac gccgtgggtc gatgtttgat gttatggagc agcaacgatg

901 ttacgcagca gggcagtcgc cctaaaacaa agttaaacat tatgagggaa gcggtgatcg

961 ccgaagtatc gactcaacta tcagaggtag ttggcgtcat cgagcgccat ctcgaaccga

1021 cgttgctggc cgtacatttg tacggctccg cagtggatgg cggcctgaag ccacacagtg

1081 atattgattt gctggttacg gtgaccgtaa ggcttgatga aacaacgcgg cgagctttga

1141 tcaacgacct tttggaaact tcggcttccc ctggagagag cgagattctc cgcgctgtag

1201 aagtcaccat tgttgtgcac gacgacatca ttccgtggcg ttatccagct aagcgcgaac

1261 tgcaatttgg agaatggcag cgcaatgaca ttcttgcagg tatcttcgag ccagccacga

1321 tcgacattga tctggctatc ttgctgacaa aagcaagaga acatagcgtt gccttggtag

1381 gtccagcggc ggaggaactc tttgatccgg ttcctgaaca ggatctattt gaggcgctaa

1441 atgaaacctt aacgctatgg aactcgccgc ccgactgggc tggcgatgag cgaaatgtag

1501 tgcttacgtt gtcccgcatt tggtacagcg cagtaaccgg caaaatcgcg ccgaaggatg

1561 tcgctgccga ctgggcaatg gagcgcctgc cggcccagta tcagcccgtc atacttgaag

1621 ctagacaggc ttatcttgga caagaagaag atcgcttggc ctcgcgcgca gatcagttgg

1681 aagaatttgt ccactacgtg aaaggcgaga tcaccaaggt agtcggcaaa taaccctcga

1741 gccacccatg accaaaatcc cttaacgtga gttacgcgtc gttccactga gcgtcagacc

1801 ccgtagaaaa gatcaaagga tcttcttgag atcctttttt tctgcgcgta atctgctgct

1861 tgcaaacaaa aaaaccaccg ctaccagcgg tggtttgttt gccggatcaa gagctaccaa

1921 ctctttttcc gaaggtaact ggcttcagca gagcgcagat accaaatact gtccttctag

1981 tgtagccgta gttaggccac cacttcaaga actctgtagc accgcctaca tacctcgctc

2041 tgctaatcct gttaccagtg gctgctgcca gtggcgataa gtcgtgtctt accgggttgg

2101 actcaagacg atagttaccg gataaggcgc agcggtcggg ctgaacgggg ggttcgtgca

2161 cacagcccag cttggagcga acgacctaca ccgaactgag atacctacag cgtgagcatt

2221 gagaaagcgc cacgcttccc gaagggagaa aggcggacag gtatccggta agcggcaggg

2281 tcggaacagg agagcgcacg agggagcttc cagggggaaa cgcctggtat ctttatagtc

2341 ctgtcgggtt tcgccacctc tgacttgagc gtcgattttt gtgatgctcg tcaggggggc

2401 ggagcctatg gaaaaacgcc agcaacgcgg cctttttacg gttcctggcc ttttgctggc

2461 cttttgctca catgttcttt cctgcgttat cccctgattc tgtggataac cgtattaccg

2521 cctttgagtg agctgatacc gctcgccgca gccgaacgac cgagcgcagc gagtcagtga

2581 gcgaggaagc ggaagagcgc ccaatacgca aaccgcctct ccccgcgcgt tggccgattc

2641 attaatgcag ctggcacgac aggtttcccg actggaaagc gggcagtgag cgcaacgcaa

2701 ttaatacgcg taccgctagc caggaagagt ttgtagaaac gcaaaaaggc catccgtcag

2761 gatggccttc tgcttagttt gatgcctggc agtttatggc gggcgtcctg cccgccaccc

2821 tccgggccgt tgcttcacaa cgttcaaatc cgctcccggc ggatttgtcc tactcaggag

2881 agcgttcacc gacaaacaac agataaaacg aaaggcccag tcttccgact gagcctttcg

2941 ttttatttga tgcctggcag ttccctactc tcgcgttaac gctagcatgg atgttttccc

3001 agtcacgacg tt

//