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

 481 taagagctat gctggaaaca gcatagcaag tttaaataag gctagtccgt tatcaacttg

 541 aaaaagtggc accgagtcgg tgcttttttt aaactcaaga gacctctaga ccagccagga

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 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

 1081 tgatattgat ttgctggtta cggtgaccgt aaggcttgat gaaacaacgc ggcgagcttt

 1141 gatcaacgac cttttggaaa cttcggcttc ccctggagag agcgagattc tccgcgctgt

 1201 agaagtcacc attgttgtgc acgacgacat cattccgtgg cgttatccag ctaagcgcga

 1261 actgcaattt ggagaatggc agcgcaatga cattcttgca ggtatcttcg agccagccac

 1321 gatcgacatt gatctggcta tcttgctgac aaaagcaaga gaacatagcg ttgccttggt

 1381 aggtccagcg gcggaggaac tctttgatcc ggttcctgaa caggatctat ttgaggcgct

 1441 aaatgaaacc ttaacgctat ggaactcgcc gcccgactgg gctggcgatg agcgaaatgt

 1501 agtgcttacg ttgtcccgca tttggtacag cgcagtaacc ggcaaaatcg cgccgaagga

 1561 tgtcgctgcc gactgggcaa tggagcgcct gccggcccag tatcagcccg tcatacttga

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 1741 gagccaccca tgaccaaaat cccttaacgt gagttacgcg tcgttccact gagcgtcaga

 1801 ccccgtagaa aagatcaaag gatcttcttg agatcctttt tttctgcgcg taatctgctg

 1861 cttgcaaaca aaaaaaccac cgctaccagc ggtggtttgt ttgccggatc aagagctacc

 1921 aactcttttt ccgaaggtaa ctggcttcag cagagcgcag ataccaaata ctgtccttct

 1981 agtgtagccg tagttaggcc accacttcaa gaactctgta gcaccgccta catacctcgc

 2041 tctgctaatc ctgttaccag tggctgctgc cagtggcgat aagtcgtgtc ttaccgggtt

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 2881 agagcgttca ccgacaaaca acagataaaa cgaaaggccc agtcttccga ctgagccttt

 2941 cgttttattt gatgcctggc agttccctac tctcgcgtta acgctagcat ggatgttttc

 3001 ccagtcacga cgtt

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