LOCUS CZP37\pu6a:sgRNA-1 3023 bp DNA circular SYN 8-OCT-2022

SOURCE synthetic DNA construct.

ORGANISM synthetic DNA construct

REFERENCE 1 (bases 1 to 3023)

AUTHORS zhangchong

TITLE Direct Submission

JOURNAL Exported Monday, Sep 26, 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|-14589759|

COMMENT VNTDBDATE|-14603706|

COMMENT LSOWNER|

COMMENT VNTNAME|CZP37 pu6a:sgRNA-1|

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..458

/vntifkey="30"

/label=U6a\promoter

misc\_feature 455..494

/vntifkey="21"

/label=sgRNA\replace\site

misc\_feature 583..586

/vntifkey="21"

/label=feature\sequences

CDS 953..1744

/codon\_start=1

/gene="aadA"

/product="aminoglycoside adenylyltransferase (Murphy,

1985)"

/vntifkey="4"

/label=SmR

/note="confers resistance to spectinomycin and streptomycin"

rep\_origin 1837..2425

/direction=RIGHT

/vntifkey="33"

/label=ori

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

terminator 2755..2782

/vntifkey="43"

/label=rrnB\T2\terminator

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

terminator 2874..2960

/gene="Escherichia coli rrnB"

/vntifkey="43"

/label=rrnB\T1\terminator

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

BASE COUNT 725 a 788 c 805 g 705 t

ORIGIN

1 gtaaaacgac ggccagtctt aagctcgggc ccggtctctc agtaagtctc tcagcgtttc

61 tccagcctcg gtcattcagt aagacgagtt tcctgctctc ggcgtctttt gttctggtct

121 tcaaggaggg gggaaatgtt ctgcgcatgc ctgtggggga gggagaagga cacgtcactg

181 aaaacgtccc tgcatcacac cgagacaccc aatcactcaa gccaagacca gataattttg

241 catatgcttt acagtttgaa aattaccacg gtaatccctc acacaaactc tggatttgag

301 atccttcagg ttttatcagt ttgcaggttt atgtcaccat gatatagggt cagacttgat

361 ctaagggagc tgaataagtg gtttagtcac tcaccacctc ccaaaaacat acccagaagt

421 ccctggtata tatagctctc cctccagctc ttggttcgag agacgacact gcagactgtc

481 gaccgtctct gtttaagagc tatgctggaa acagcatagc aagtttaaat aaggctagtc

541 cgttatcaac ttgaaaaagt ggcaccgagt cggtgctttt ttagtcagag acctctagac

601 cagccaggac agaaatgcct cgacttcgct gctacccaag gttgccgggt gacgcacacc

661 gtggaaacgg atgaaggcac gaacccagtg gacataagcc tgttcggttc gtaagctgta

721 atgcaagtag cgtatgcgct cacgcaactg gtccagaacc ttgaccgaac gcagcggtgg

781 taacggcgca gtggcggttt tcatggcttg ttatgactgt ttttttgggg tacagtctat

841 gcctcgggca tccaagcagc aagcgcgtta cgccgtgggt cgatgtttga tgttatggag

901 cagcaacgat gttacgcagc agggcagtcg ccctaaaaca aagttaaaca ttatgaggga

961 agcggtgatc gccgaagtat cgactcaact atcagaggta gttggcgtca tcgagcgcca

1021 tctcgaaccg acgttgctgg ccgtacattt gtacggctcc gcagtggatg gcggcctgaa

1081 gccacacagt gatattgatt tgctggttac ggtgaccgta aggcttgatg aaacaacgcg

1141 gcgagctttg atcaacgacc ttttggaaac ttcggcttcc cctggagaga gcgagattct

1201 ccgcgctgta gaagtcacca ttgttgtgca cgacgacatc attccgtggc gttatccagc

1261 taagcgcgaa ctgcaatttg gagaatggca gcgcaatgac attcttgcag gtatcttcga

1321 gccagccacg atcgacattg atctggctat cttgctgaca aaagcaagag aacatagcgt

1381 tgccttggta ggtccagcgg cggaggaact ctttgatccg gttcctgaac aggatctatt

1441 tgaggcgcta aatgaaacct taacgctatg gaactcgccg cccgactggg ctggcgatga

1501 gcgaaatgta gtgcttacgt tgtcccgcat ttggtacagc gcagtaaccg gcaaaatcgc

1561 gccgaaggat gtcgctgccg actgggcaat ggagcgcctg ccggcccagt atcagcccgt

1621 catacttgaa gctagacagg cttatcttgg acaagaagaa gatcgcttgg cctcgcgcgc

1681 agatcagttg gaagaatttg tccactacgt gaaaggcgag atcaccaagg tagtcggcaa

1741 ataaccctcg agccacccat gaccaaaatc ccttaacgtg agttacgcgt cgttccactg

1801 agcgtcagac cccgtagaaa agatcaaagg atcttcttga gatccttttt ttctgcgcgt

1861 aatctgctgc ttgcaaacaa aaaaaccacc gctaccagcg gtggtttgtt tgccggatca

1921 agagctacca actctttttc cgaaggtaac tggcttcagc agagcgcaga taccaaatac

1981 tgtccttcta gtgtagccgt agttaggcca ccacttcaag aactctgtag caccgcctac

2041 atacctcgct ctgctaatcc tgttaccagt ggctgctgcc agtggcgata agtcgtgtct

2101 taccgggttg gactcaagac gatagttacc ggataaggcg cagcggtcgg gctgaacggg

2161 gggttcgtgc acacagccca gcttggagcg aacgacctac accgaactga gatacctaca

2221 gcgtgagcat tgagaaagcg ccacgcttcc cgaagggaga aaggcggaca ggtatccggt

2281 aagcggcagg gtcggaacag gagagcgcac gagggagctt ccagggggaa acgcctggta

2341 tctttatagt cctgtcgggt ttcgccacct ctgacttgag cgtcgatttt tgtgatgctc

2401 gtcagggggg cggagcctat ggaaaaacgc cagcaacgcg gcctttttac ggttcctggc

2461 cttttgctgg ccttttgctc acatgttctt tcctgcgtta tcccctgatt ctgtggataa

2521 ccgtattacc gcctttgagt gagctgatac cgctcgccgc agccgaacga ccgagcgcag

2581 cgagtcagtg agcgaggaag cggaagagcg cccaatacgc aaaccgcctc tccccgcgcg

2641 ttggccgatt cattaatgca gctggcacga caggtttccc gactggaaag cgggcagtga

2701 gcgcaacgca attaatacgc gtaccgctag ccaggaagag tttgtagaaa cgcaaaaagg

2761 ccatccgtca ggatggcctt ctgcttagtt tgatgcctgg cagtttatgg cgggcgtcct

2821 gcccgccacc ctccgggccg ttgcttcaca acgttcaaat ccgctcccgg cggatttgtc

2881 ctactcagga gagcgttcac cgacaaacaa cagataaaac gaaaggccca gtcttccgac

2941 tgagcctttc gttttatttg atgcctggca gttccctact ctcgcgttaa cgctagcatg

3001 gatgttttcc cagtcacgac gtt

//