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)

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 https://www.snapgene.com

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 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

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 661 gtggaaacgg atgaaggcac gaacccagtg gacataagcc tgttcggttc gtaagctgta

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 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

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 1141 gcgagctttg atcaacgacc ttttggaaac ttcggcttcc cctggagaga gcgagattct

 1201 ccgcgctgta gaagtcacca ttgttgtgca cgacgacatc attccgtggc gttatccagc

 1261 taagcgcgaa ctgcaatttg gagaatggca gcgcaatgac attcttgcag gtatcttcga

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 1441 tgaggcgcta aatgaaacct taacgctatg gaactcgccg cccgactggg ctggcgatga

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 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

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 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

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 2281 aagcggcagg gtcggaacag gagagcgcac gagggagctt ccagggggaa acgcctggta

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 3001 gatgttttcc cagtcacgac gtt

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