



LOCUS Exported 6908 bp ds-DNA circular SYN 03-
 NOV-2020
 DEFINITION synthetic circular DNA
 ACCESSION .
 VERSION .
 KEYWORDS pZIP-SFFV-Puromycin
 SOURCE synthetic DNA construct
 ORGANISM synthetic DNA construct
 REFERENCE 1 (bases 1 to 6908)
 AUTHORS Transomic
 TITLE Direct Submission
 JOURNAL Exported Tuesday, Nov 3, 2020 from SnapGene 5.2.1
<https://www.snapgene.com>
 FEATURES Location/Qualifiers
 source 1..6908

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                /organism="synthetic DNA construct"
                /mol_type="other DNA"
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                /note="human cytomegalovirus immediate early
enhancer"
    LTR           411..668
                /label=5' LTR (truncated)
                /note="truncated 5' long terminal repeat (LTR) from
HIV-1"
    misc_feature  715..840
                /label=HIV-1 Psi
                /note="packaging signal of human immunodeficiency
virus
    misc_feature  type 1"
                1337..1570
                /label=RRE
                /note="The Rev response element (RRE) of HIV-1
allows for
    misc_feature  Rev-dependent mRNA export from the nucleus to the
                2062..2178
                /label=cPPT/CTS
                /note="central polypurine tract and central
termination
    primer_bind  sequence of HIV-1 (lacking the first T)"
                2225..2625
                /label=seq.ZsGrev
    promoter     2225..2625
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    primer_bind  2488..2625
                /label=seq.SFFVfw
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                /gene="pac from Streptomyces alboniger"
                /product="puromycin N-acetyltransferase"
                /label=PuroR
                /note="confers resistance to puromycin"

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was
number of
product
serially
An
served as
using
common
of 127
misc_feature      3520..3593
                  /label=UltramiR3'
misc_feature      3613..4201
                  /label=WPRE
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                  /product="Factor Xa recognition and cleavage site"
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                  /translation="IEGR"
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                  /label=3' LTR (Delta-U3)
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(LTR) from
promoter          HIV-1"
                  4738..5067

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        /label=SV40 promoter
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        /note="SV40 origin of replication"
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        /direction=LEFT
        /label=ori
        /note="high-copy-number ColE1/pMB1/pBR322/pUC origin
of
        replication"
CDS complement(5912..6772)
        /codon_start=1
        /gene="bla"
        /product="beta-lactamase"
        /label=AmpR
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carbenicillin, and
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promoter complement(6773..6877)
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ORIGIN

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