



LOCUS Exported 6712 bp ds-DNA circular SYN 03-
 NOV-2020
 DEFINITION synthetic circular DNA
 ACCESSION .
 VERSION .
 KEYWORDS pZIP-SFFV-Blasticidin
 SOURCE synthetic DNA construct
 ORGANISM synthetic DNA construct
 REFERENCE 1 (bases 1 to 6712)
 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..6712

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/organism="synthetic DNA construct"
/mol_type="other DNA"
misc_feature 23..667
              /label=CMV-LTR
misc_feature 715..840
              /label=HIV-1 Psi
              /note="packaging signal of human immunodeficiency
virus
              type 1"
misc_feature 1337..1570
              /label=RRE
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allows for
              Rev-dependent mRNA export from the nucleus to the
              cytoplasm."
misc_feature 2062..2178
              /label=cPPT/CTS
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              sequence of HIV-1 (lacking the first T)"
primer_bind 2225..2625
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promoter 2225..2625
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          /label=SFFV
primer_bind 2488..2625
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              /label=IRES
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    /product="blasticidin S deaminase"
    /label=BSD
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/translation="MAKPLSQEESTLIERATATINSIPISEDYSVASAALSSDGRIFTG
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misc_feature 3076..3156
              /label=5'-UltramiR
misc_feature 3166..3203
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gap 3204..3225
    /estimated_length=22
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misc_feature 3286..3307
              /label=For 5' for Pool qPCR
              /note="Twelve replicate reactions containing 825 ng
gDNA
              were amplified and each carried out to a different
cycle

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was placed on ice immediately after the designated number of cycles completed to arrest the reaction. 10 µl of product from each reaction was analyzed using agarose gel electrophoresis. An aliquot of each product was serially diluted 25 000-, 100 000- and 400 000-fold in water. An aliquot from each dilution of each PCR replicate served as template for SYBR qPCR reactions that were prepared using Absolute Blue qPCR SYBR Green master mix (Thermo Scientific, Epsom, UK) and primers that amplify common sequence of the shRNA barcode PCR products (For-5?caaggggctacttttaggagcaa, Rev-5?aatttataaccattttaattcagctttg), generating a product of 127 bp."

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 misc_feature 3417..4005
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 /label=3' LTR (Delta-U3)
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 CDS complement(5716..6576)
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LIKHW"

promoter complement (6577..6681)

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