



LOCUS Exported 7630 bp ds-DNA circular SYN 03-
 NOV-2020
 DEFINITION synthetic circular DNA
 ACCESSION .
 VERSION .
 KEYWORDS pZIP-mEF1a-Blasticidin
 SOURCE synthetic DNA construct
 ORGANISM synthetic DNA construct
 REFERENCE 1 (bases 1 to 7630)
 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..7630

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/organism="synthetic DNA construct"
/mol_type="other DNA"
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misc_feature 715..840
              /label=HIV-1 Psi
              /note="packaging signal of human immunodeficiency
virus
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              /label=RRE
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              Rev-dependent mRNA export from the nucleus to the
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              /label=cPPT/CTS
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CDS          3577..3975
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              /product="blasticidin S deaminase"
              /label=BSD
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              /label=For 5' for Pool qPCR
              /note="Twelve replicate reactions containing 825 ng
gDNA
              were amplified and each carried out to a different
cycle
              number from 15-27. Each replicate reaction vessel
was
              placed on ice immediately after the designated
number of

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product cycles completed to arrest the reaction. 10 µl of
 serially from each reaction was analyzed using agarose gel
 electrophoresis. An aliquot of each product was
 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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LIKHW"

promoter complement (7495..7599)

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