



LOCUS Exported 8979 bp DNA circular SYN 21-DEC-2021
 DEFINITION synthetic circular DNA
 ACCESSION .
 VERSION .
 KEYWORDS pZIP-hEFla-mCherry-Puromycin
 SOURCE synthetic DNA construct
 ORGANISM recombinant plasmid
 REFERENCE 1 (bases 1 to 8979)
 AUTHORS Transomic
 TITLE Direct Submission
 JOURNAL Exported Dec 21, 2021 from SnapGene 6.0.0
<https://www.snapgene.com>
 FEATURES Location/Qualifiers
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 /mol_type="other DNA"
 /organism="recombinant plasmid"
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 /label=CMV-LTR
 misc_feature 715..840
 /label=HIV-1 Psi

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    misc_feature    2220..3406
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protein
                    (Shaner et al., 2004)"
                    /label=mCherry
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misc_feature 5553..5574
/label=For 5' for Pool qPCR
/note="Twelve replicate reactions containing 825 ng
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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
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?aatttataaccatttttaattcagctttg), generating a product
of 127
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regulatory element"
LTR 6480..6713
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/note="self-inactivating 3' long terminal repeat
(LTR) from
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carbenicillin, and
            related antibiotics"

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