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LOCUS       Exported                               2998 bp ds-DNA   circular SYN 27-
FEB-2013
DEFINITION pBluescript derivative modified at RIKEN for cDNA cloning.
ACCESSION  .
VERSION    .
KEYWORDS   pBluescriptR
SOURCE     synthetic DNA construct
  ORGANISM synthetic DNA construct
REFERENCE  1 (bases 1 to 2998)
  AUTHORS  I.M.A.G.E. Consortium
  TITLE    Direct Submission
  JOURNAL  Exported Wednesday, Feb 17, 2016 from SnapGene 3.0.3
           http://www.snapgene.com
FEATURES   Location/Qualifiers
     source          1..2998
                   /organism="synthetic DNA construct"
                   /lab_host="Escherichia coli"
                   /mol_type="other DNA"
     rep_origin      4..459
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                   /note="f1 ori"
                   /note="f1 bacteriophage origin of replication; arrow
                   indicates direction of (+) strand synthesis"
     primer_bind     600..616
  
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        /note="common sequencing primer, one of multiple
similar
        variants"
        promoter      623..641
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                    /note="promoter for bacteriophage T7 RNA polymerase"
        protein_bind  674..707
                    /bound_moiety="Cre recombinase"
                    /note="loxP"
                    /note="Cre-mediated recombination occurs in the 8-bp
core
        misc_feature  sequence (GCATACAT)."
                    733..798
                    /note="MCS"
                    /note="multiple cloning site"
        promoter      complement(810..828)
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        primer_bind   complement(849..865)
                    /note="M13 rev"
                    /note="common sequencing primer, one of multiple
similar
        protein_bind  873..889
                    /bound_moiety="lac repressor encoded by lacI"
                    /note="lac operator"
                    /note="The lac repressor binds to the lac operator
to
        inhibit transcription in E. coli. This inhibition
can be
        relieved by adding lactose or
        isopropyl-beta-D-thiogalactopyranoside (IPTG)."
        promoter      complement(897..927)
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                    /note="promoter for the E. coli lac operon"
        rep_origin     complement(1251..1839)
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                    /note="high-copy-number ColE1/pMB1/pBR322/pUC origin
of
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                    /product="beta-lactamase"
                    /note="AmpR"
                    /note="confers resistance to ampicillin,
carbenicillin, and
                    related antibiotics"

/translation="MSIQHFRVALIPFFAAFLPVFQHPETLVKVKDAEDQLGARVGYI
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promoter      complement (2871..2975)  
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ORIGIN

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