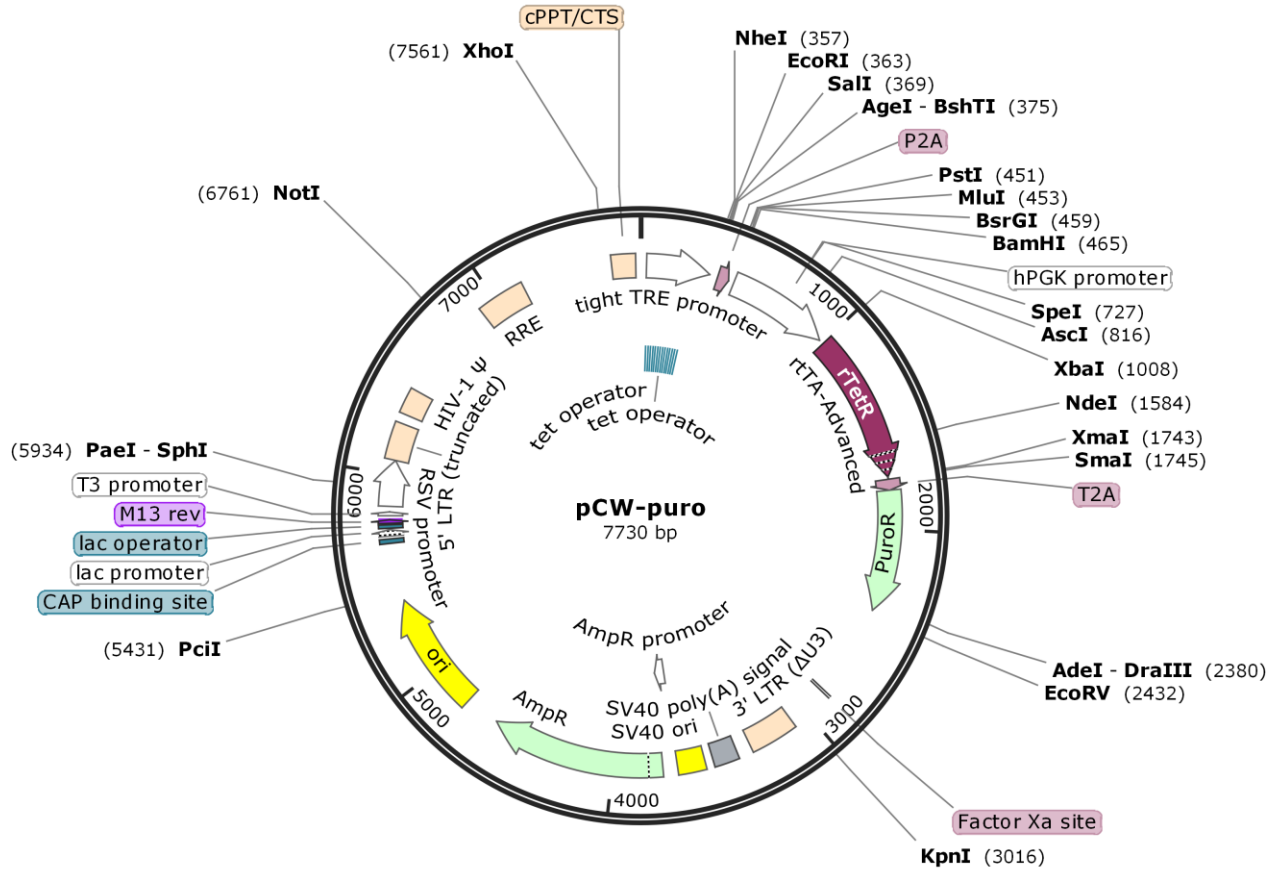


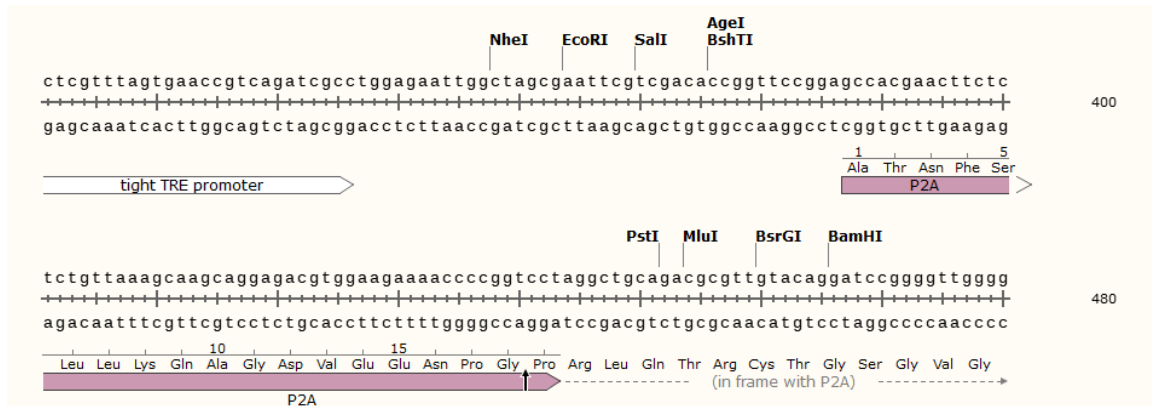
pCW-puro Vector Information

Created with SnapGene®



载体名称: pCW-puro
 质粒类型: 哺乳动物表达载体, 慢病毒载体
 表达水平: 高拷贝
 启动子: tight TRE promoter
 克隆方法: 多克隆位点, 限制性内切酶
 克隆位点: MCS
 载体大小: 7730bp
 5' 测序引物及序列: PITES2-EGFP-5: GTAGGCGTGACGGTGGGAG
 3' 测序引物及序列: --
 载体标签: --
 载体抗性: Amp
 筛选标记: Puromycin
 产品目录号: --
 稳定性: 稳定表达
 组成型/诱导型: 组成型
 病毒/非病毒: 慢病毒
 克隆菌株: Stb13

MCS ☒:



LOCUS Exported 7730 bp ds-DNA circular SYN 03-JUN-2020
DEFINITION All-in-one doxycycline inducible lentiviral vector for expression of one or two genes using the P2A self-cleaving peptide..
ACCESSION .
VERSION .
KEYWORDS pCW-puro
SOURCE synthetic DNA construct
ORGANISM synthetic DNA construct
REFERENCE 1 (bases 1 to 7730)
TITLE All-in-one doxycycline inducible lentiviral vector for expression of one or two genes.
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 7730)
AUTHORS .
TITLE Direct Submission
JOURNAL Exported Wednesday, June 3, 2020 from SnapGene 3.2.1
<http://www.snapgene.com>
FEATURES Location/Qualifiers
source 1..7730
/organism="synthetic DNA construct"
/mol_type="other DNA"
promoter 32..346
/note="tight TRE promoter"
protein_bind 40..58
/note="tet operator"
protein_bind 76..94
/note="tet operator"
protein_bind 111..129
/note="tet operator"
protein_bind 147..165

protein_bind /note="tet operator"
183..201
protein_bind /note="tet operator"
218..236
protein_bind /note="tet operator"
254..272
CDS /note="tet operator"
387..443
/codon_start=1
/note="P2A"
/translation="ATNFSLLKQAGDVEENPGP"
promoter 471..981
/note="hPGK promoter"
CDS 1005..1748
/codon_start=1
/note="rtTA-Advanced"
/translation="MSRLDKSKVINGALELLNGVGIEGLTTRKLAQKLGVEQPTLYWHV
KNKRALLDALPIEMDRHHTHFCPLEGESWQDFLRNNAKSYRCALLSHRDGAKVHLGTR
PTEKQYETLENQLAFLCQQGFSLENALYALSAVGHFTLGCVLEEQEHQVAKEERETPTT
DSMPLLRQAIELFDRQGAEPFLFGLLELIICGLEKQLKCESGGPTDALDDFDLMLPA
DALDDFDLMLPADALDDFDLMLPG"
CDS 1755..1808
/codon_start=1
/note="T2A"
/translation="EGRGSLTTCGDVEENPGP"
CDS 1809..2408
/codon_start=1
/note="PuroR"
/translation="MTEYKPTVRLATRDDVPRAVRTLAAAFADYPATRHTVDPDRHIER
VTELQELFLTRVGLDIGKVVVADDGAAVAVWTTPESEAGAVFAEIGPRMAELSGSRLA
AQQQMEGLLAPHRKPEAWFLATVGVSPDHQKGLGSAVVLPGVEAAERAGVPAFLETS
APRNLPFYERLGFVTADVEVEPEGPRTWCMTRKPGA"
CDS complement (2867..2878)
/codon_start=1
/note="Factor Xa site"
/translation="IEGR"
LTR 3083..3316
/note="3' LTR (Delta-U3)"
polyA_signal 3388..3509
/note="SV40 poly(A) signal"
rep_origin 3549..3684
/note="SV40 ori"
promoter 3684..3755
/note="AmpR promoter"

CDS 3756..4616
/codon_start=1
/note="AmpR"
/translation="MSIQHFRVALIPFFAAFCLPVFAHPETLVKVKDAEDQLGARVGYI
ELDLNSGKILESFRPEERFPMMSSTFKVLLCGAVLSRIDAGQEQLGRRIHYSQNDLVEYS
PVTEKHLTDGMTVRELCSAAITMSDNTAANLLLTIGGPKELTAFLHNMGDHVTRLDRW
EPELNEAIPNDERDITMPVAMATTLRKLTTGELLTLASRQQLIDWMEADKVAGPLLRSA
LPAGWFIADKSGAGERGSRGIIAALGPDGKPSRIVVIYTTGSQATMDERNRQIAEIGAS
LIKHW"

rep_origin 4787..5375
/direction=RIGHT
/note="ori"

protein_bind 5663..5684
/note="CAP binding site"

promoter 5699..5729
/note="lac promoter"

protein_bind 5737..5753
/note="lac operator"

primer_bind 5761..5777
/note="M13 rev"

promoter 5798..5816
/note="T3 promoter"

promoter 5844..6070
/note="RSV promoter"

LTR 6071..6251
/note="5' LTR (truncated)"

misc_feature 6298..6423
/note="HIV-1 Psi"

misc_feature 6916..7149
/note="RRE"

misc_feature 7591..7708
/note="cPPT/CTS"

ORIGIN

```

1 GAGATCCACT TTGGCCGCGA ATCGATATGT CGAGTTTACT CCCTATCAGT GATAGAGAAC
61 GTATGTCGAG TTTACTCCCT ATCAGTGATA GAGAACGATG TCGAGTTTAC TCCCTATCAG
121 TGATAGAGAA CGTATGTCGA GTTTACTCCC TATCAGTGAT AGAGAACGTA TGTCGAGTTT
181 ACTCCCTATC AGTGATAGAG AACGTATGTC GAGTTTATCC CTATCAGTGA TAGAGAACGT
241 ATGTCGAGTT TACTCCCTAT CAGTGATAGA GAACGTATGT CGAGGTAGGC GTGTACGGTG
301 GGAGGCCTAT ATAAGCAGAG CTCGTTTAGT GAACCGTCAG ATCGCCTGGA GAATTGGCTA
361 GCGAATTCGT CGACACCGGT TCCGGAGCCA CGAACTTCTC TCTGTAAAG CAAGCAGGAG
421 ACGTGGAAGA AAACCCCGGT CCTAGGCTGC AGACGCGTTG TACAGGATCC GGGGTTGGGG
481 TTGCGCCTTT TCCAAGGCAG CCCTGGGTTT GCGCAGGGAC GCGGCTGCTC TGGGCGTGGT
541 TCCGGGAAAC GCAGCGGCGC CGACCCTGGG TCTCGCAT TCTTACGTC CGTTCGCAGC
601 GTCACCCGGA TCTTCGCCGC TACCCTGTG GCGCCCGG CGACGCTTCC TGCTCCGCCC

```

661 CTAAGTCGGG AAGGTTCCCT GCGGTTCGCG GCGTGCCGGA CGTGACAAAC GGAAGCCGCA
721 CGTCTACTA GTACCCTCGC AGACGGACAG CGCCAGGGAG CAATGGCAGC GCGCCGACCG
781 CGATGGGCTG TGGCCAATAG CGGCTGCTCA GCAGGGCGCG CCGAGAGCAG CGGCCGGGAA
841 GGGGCGGTGC GGGAGGCGGG GTGTGGGGCG GTAGTGTGGG CCCTGTTCCCT GCCCGCGCGG
901 TGTTCGCAT TCTGCAAGCC TCCGGAGCGC ACGTCGGCAG TCGGCTCCCT CGTTGACCGA
961 ATCACCGACC TCTCTCCCA GCAATTCACC CGCGCGCGG CACCATGTCT AGACTGGACA
1021 AGAGCAAAGT CATAAACGGA GCTCTGGAAT TACTCAATGG TGTCGGTATC GAAGGCCTGA
1081 CGACAAGGAA ACTCGCTCAA AAGCTGGGAG TTGAGCAGCC TACCCTGTAC TGGCACGTGA
1141 AGAACAAGCG GGCCCTGCTC GATGCCCTGC CAATCGAGAT GCTGGACAGG CATCATACCC
1201 ACTTCTGCCC CCTGGAAGGC GAGTCATGGC AAGACTTTCT GCGGAACAAC GCCAAGTCAT
1261 ACCGCTGTGC TCTCCTCTCA CATCGCGACG GGGCTAAAGT GCATCTCGGC ACCCGCCCAA
1321 CAGAGAAACA GTACGAAACC CTGGAATAATC AGCTCGCGTT CCTGTGTCAG CAAGGCTTCT
1381 CCCTGGAGAA CGCACTGTAC GCTCTGTCCG CCGTGGGCCA CTTTACTACTG GGCTGCGTAT
1441 TGGAGGAACA GGAGCATCAA GTAGCAAAAG AGGAAAGAGA GACACCTACC ACCGATTCTA
1501 TGCCCCACT TCTGAGACAA GCAATTGAGC TGTTCGACCG GCAGGGAGCC GAACCTGCCT
1561 TCCTTTTCGG CCTGGAATA ATCATATGTG GCCTGGAGAA ACAGCTAAAG TGCGAAAGCG
1621 GCGGGCCGAC CGACGCCCTT GACGATTTTG ACTTAGACAT GCTCCAGCC GATGCCCTTG
1681 ACGACTTTGA CCTTGATATG CTGCCTGCTG ACGCTCTTGA CGATTTTGAC CTTGACATGC
1741 TCCCCGGGTT CGAAGAGGGC AGAGGAAGTC TGCTAACATG CGGTGACGTC GAGGAGAATC
1801 CTGGCCAAT GACCGAGTAC AAGCCCACGG TCGCCTCGC CACCCGCGAC GACGTCCCA
1861 GGGCCGTACG CACCCTCGCC GCCCGTTCG CCGACTACCC CGCCACGCGC CACACCCTCG
1921 ATCCGACCG CCACATCGAG CGGGTCACCG AGCTGCAAGA ACTCTTCCTC ACGCGCGTCG
1981 GGCTCGACAT CGGCAAGGTG TGGGTCGCGG ACGACGGCGC CGCGGTGGCG GTCTGGACCA
2041 CGCCGAGAG CGTCGAAGCG GGGGCGGTGT TCGCCGAGAT CGGCCCGCGC ATGGCCGAGT
2101 TGAGCGGTT CCGGCTGGCC GCGCAGCAAC AGATGGAAGG CCTCCTGGCG CCGCACCGGC
2161 CCAAGGAGCC CGCGTGGTTC CTGGCCACCG TCGGAGTCTC GCCCGACCAC CAGGGCAAAG
2221 GTCTGGGAG CGCCGTCGTG CTCCCGGAG TGGAGGCGG CGAGCGCGCC GGGGTGCCG
2281 CCTCCTGGA GACCTCCGCG CCCCACAACC TCCCCTTCTA CGAGCGGCTC GGCTTACCG
2341 TCACCGCCGA CGTCGAGGTG CCCGAAGGAC CGCGCACCTG GTGCATGACC CGCAAGCCCG
2401 GTGCCTGAAT GCATTGAGGA TCGATCCAAG ATATCGTATT CTTAACTATG TTGCTCCTTT
2461 TACGCTATGT GGATACGCTG CTTAATGCC TTTGTATCAT GCTATTGCTT CCCGTATGGC
2521 TTTCATTTTC TCCTCCTTGT ATAAATCCTG GTTGCTGTCT CTTTATGAGG AGTTGTGGCC
2581 CGTTGTCAGG CAACGTGGCG TGGTGTGCAC TGTGTTGCT GACGCAACCC CCACTGGTTG
2641 GGGCATTGCC ACCACCTGTC AGCTCCTTTC CGGACTTTC GCTTTCCTCC TCCCTATTGC
2701 CACGGCGGAA CTCATCGCCG CCTGCCTTGC CCGCTGCTGG ACAGGGGCTC GGCTGTTGGG
2761 CACTGACAAT TCCGTGGTGT TGTCGGGGAA GCTGACGTC TTTCCATGGC TGCTCGCCTG
2821 TGTTGCCACC TGGATTCTGC GCGGGACGTC CTTCTGCTAC GTCCCTTCGG CCCTCAATCC
2881 AGCGGACCTT CCTTCCCGCG GCCTGCTGCC GGCTCTGCGG CCTCTTCCGC GTCTTCGCT
2941 TCGCCCTCAG ACGAGTCGGA TCTCCCTTTC GGGCGCCTCC CCGCCTGTT CGCCTCGGCG
3001 TCCGACTAG AGGTACCTTT AAGACCAATG ACTTACAAGG CAGCTGTAGA TCTTAGCCAC
3061 TTTTAAAAG AAAAGGGGGG ACTGGAAGGG CTAATTCCT CCCAACGAAG ACAAGATCTG
3121 CTTTTTGCTT GACTGGGTC TCTCTGGTTA GACCAGATCT GAGCCTGGGA GCTCTCTGGC
3181 TAACTAGGGA ACCACTGCT TAAGCCTCAA TAAAGCTTGC CTTGAGTGCT TCAAGTAGTG
3241 TGTGCCGTC TGTTGTGTGA CTCTGGTAAC TAGAGATCCC TCAGACCCTT TTAGTCAGTG

3301 TGAAAAATCT CTAGCAGTAG TAGTTCATGT CATCTTATTA TTCAGTATTT ATA AACTTGCA
3361 AAGAAATGAA TATCAGAGAG TGAGAGGAAC TTGTTTATTG CAGCTTATAA TGGTTACAAA
3421 TAAAGCAATA GCATCACAAA TTTCACAAAT AAAGCATTTT TTCTACTGCA TTCTAGTTGT
3481 GGTTTGTCCA AACTCATCAA TGTATCTTAT CATGTCTGGC TCTAGCTATC CCGCCCCTAA
3541 CTCCGCCCAT CCCGCCCTA ACTCCGCCCA GTTCCGCCCA TTCTCCGCCC CATGGCTGAC
3601 TAATTTTTTT TATTTATGCA GAGGCCGAGG CCGCCTCGGC CTCTGAGCTA TTCCAGAAGT
3661 AGTGAGGAGG CTTTTTTGGA GGCCTTTCAA ATATGTATCC GCTCATGAGA CAATAACCCT
3721 GATAAATGCT TCAATAATAT TGAAAAAGGA AGAGTATGAG TATTCAACAT TTCCGTGTCG
3781 CCCTTATTCC CTTTTTTGCG GCATTTTGCC TTCCTGTTTT TGCTCACCCA GAAACGCTGG
3841 TGAAAGTAAA AGATGCTGAA GATCAGTTGG GTGCACGAGT GGGTTACATC GAACTGGATC
3901 TCAACAGCGG TAAGATCCTT GAGAGTTTC GCCCGAAGA ACGTTTTCCA ATGATGAGCA
3961 CTTTTAAAGT TCTGCTATGT GCGCGGTAT TATCCCGTAT TGACGCCGGG CAAGAGCAAC
4021 TCGGTCGCCG CATACTAT TCTCAGAATG ACTTGTTGA GTACTACCA GTCACAGAAA
4081 AGCATCTTAC GGATGGCATG ACAGTAAGAG AATTATGCAG TGCTGCCATA ACCATGAGTG
4141 ATAACACTGC GGCCAACTTA CTTCTGACAA CGATCGGAGG ACCGAAGGAG CTAACCGCTT
4201 TTTTGCACAA CATGGGGGAT CATGTAAGT GCCTTGATCG TTGGAACCG GAGCTGAATG
4261 AAGCCATACC AAACGACGAG CGTGACACCA CGATGCCTGT AGCAATGGCA ACAACGTTGC
4321 GCAAATATT AACTGGCGAA CTA CTTACTC TAGCTTCCCG GCAACAATTA ATAGACTGGA
4381 TGGAGGCGGA TAAAGTTGCA GGACCACTTC TGCCTCGGC CCTTCCGGCT GGCTGGTTTA
4441 TTGCTGATAA ATCTGGAGCC GGTGAGCGTG GGTCTCGCG TATCATTGCA GCACTGGGGC
4501 CAGATGGTAA GCCCTCCCGT ATCGTAGTTA TCTACACGAC GGGGAGTCAG GCAACTATGG
4561 ATGAACGAAA TAGACAGATC GCTGAGATAG GTGCCTCACT GATTAAGCAT TGGTAACTGT
4621 CAGACCAAGT TTA CTTACTAT ATACTTTAGA TTGATTTAAA ACTTCATTTT TAATTTAAAA
4681 GGATCTAGGT GAAGATCCTT TTTGATAATC TCATGACCAA AATCCCTTAA CGTGAGTTTT
4741 CGTTCCTACTG AGCGTCAGAC CCCGTAGAAA AGATCAAAGG ATCTTCTTGA GATCCTTTTT
4801 TTCTGCGCGT AATCTGCTGC TTGCAAACAA AAAAACCACC GCTACCAGCG GTGGTTTGT
4861 TGCCGATCA AGAGCTACCA ACTCTTTTTC CGAAGGTAAC TGGCTTCAGC AGAGCGCAGA
4921 TACCAAATAC TGTCTTCTA GTGTAGCCGT AGTTAGGCCA CCACTTCAAG AACTCTGTAG
4981 CACCGCCTAC ATACCTCGCT CTGCTAATCC TGTACCAGT GGCTGCTGCC AGTGGCGATA
5041 AGTCGTGTCT TACCGGTTG GACTCAAGAC GATAGTTACC GGATAAGGCG CAGCGGTCGG
5101 GCTGAACGGG GGGTTCGTGC ACACAGCCA GCTTGAGCG AACGACCTAC ACCGAACTGA
5161 GATACCTACA GCGTGAGCTA TGAGAAAGCG CCACGCTTCC CGAAGGGAGA AAGGCGGACA
5221 GGATCCGGT AAGCGGCAGG GTCGGAACAG GAGAGCGCAC GAGGGAGCTT CCAGGGGAA
5281 ACGCCTGGTA TCTTTATAGT CCTGTCCGGT TTCGCCACCT CTGACTTGAG CGTCGATTTT
5341 TGTGATGCTC GTCAGGGGGG CGGAGCCTAT GAAAAACGC CAGCAACGCG GCCTTTTTAC
5401 GGTTCTGGC CTTTTGCTGG CTTTTGCTC ACATGTTCTT TCCTGCGTTA TCCCCTGATT
5461 CTGTGGATAA CCGTATTACC GCCTTTGAGT GAGCTGATAC CGCTCGCCG AGCCGAACGA
5521 CCGAGCGCAG CGAGTCAGTG AGCGAGGAAG CGAAGAGCG CCCAATACGC AAACCGCCTC
5581 TCCCCGCGG TTGGCCGATT CATTAAATGCA GCTGGCACGA CAGGTTTCCC GACTGGAAAG
5641 CGGGCAGTGA GCGCAACGCA ATTAATGTGA GTTAGCTCAC TCATTAGGCA CCCCAGGCTT
5701 TACACTTTAT GCTTCCGGCT CGTATGTTGT GTGGAATTGT GAGCGGATAA CAATTTACA
5761 CAGGAAACAG CTATGACCAT GATTACGCCA AGCGCGCAAT TAACCCTCAC TAAAGGGAAC
5821 AAAAGCTGGA GCTGCAAGCT TAATGTAGTC TTATGCAATA CTCTTGTAGT CTTGCAACAT
5881 GGTAACGATG AGTTAGCAAC ATGCCTTACA AGGAGAGAAA AAGCACCGTG CATGCCGATT

5941 GGTGGAAGTA AGGTGGTACG ATCGTGCCTT ATTAGGAAGG CAACAGACGG GTCTGACATG
6001 GATTGGACGA ACCACTGAAT TGCCGCATTG CAGAGATATT GTATTTAAGT GCCTAGCTCG
6061 ATACATAAAC GGGTCTCTCT GGTTAGACCA GATCTGAGCC TGGGAGCTCT CTGGCTAACT
6121 AGGGAACCCA CTGCTTAAGC CTCAATAAAG CTTGCCTTGA GTGCTTCAAG TAGTGTGTGC
6181 CCGTCTGTTG TGTGACTCTG GTAAC TAGAG ATCCCTCAGA CCCTTTTAGT CAGTGTGGAA
6241 AATCTCTAGC AGTGGCGCCC GAACAGGGAC TTGAAAGCGA AAGGGAAACC AGAGGAGCTC
6301 TCTCGACGCA GGA CTGCGCT TGCTGAAAGCG CGCACGGCAA GAGGCGAGGG GCGGCGACTG
6361 GTGAGTACGC CAAAAATTTT GACTAGCGGA GGCTAGAAGG AGAGAGATGG GTGCGAGAGC
6421 GTCAGTATTA AGCGGGGAG AATTAGATCG CGATGGGAAA AAATTCGGTT AAGGCCAGGG
6481 GGAAAGAAAA AATATAAATT AAAACATATA GTATGGGCAA GCAGGGAGCT AGAACGATTC
6541 GCAGTTAATC CTGGCCTGTT AGAAACATCA GAAGGCTGTA GACAAATACT GGGACAGCTA
6601 CAACCATCCC TTCAGACAGG ATCAGAAGAA CTTAGATCAT TATATAATAC AGTAGCAACC
6661 CTCTATTGTG TGCATCAAAG GATAGAGATA AAAGACACCA AGGAAGCTTT AGACAAGATA
6721 GAGGAAGAGC AAAACAAAAG TAAGACCACC GCACAGCAAG CGGCCGCTGA TCTTCAGACC
6781 TGGAGGAGGA GATATGAGGG ACAATTGGAG AAGTGAATTA TATAAATATA AAGTAGTAAA
6841 AATTGAACCA TTAGGAGTAG CACCCACCAA GGCAAAGAGA AGAGTGGTGC AGAGAGAAAA
6901 AAGAGCAGTG GGAATAGGAG CTTTGTCTCT TGGGTTCTTG GGAGCAGCAG GAAGCACTAT
6961 GGGCGCAGCG TCAATGACGC TGACGGTACA GGCCAGACAA TTATTGTCTG GTATAGTGCA
7021 GCAGCAGAAC AATTTGCTGA GGGCTATTGA GGC GCAACAG CATCTGTTGC AACTCACAGT
7081 CTGGGGCATC AAGCAGCTCC AGGCAAGAAT CCTGGCTGTG GAAAGATACC TAAAGGATCA
7141 ACAGCTCCTG GGGATTTGGG GTTGCTCTGG AAAACTCATT TGCACCACTG CTGTGCCTTG
7201 GAATGCTAGT TGGAGTAATA AATCTCTGGA ACAGATTTGG AATCACACGA CCTGGATGGA
7261 GTGGGACAGA GAAATTAACA ATTACACAAG CTTAATACAC TCCTTAATTG AAGAATCGCA
7321 AAACCAGCAA GAAAAGAATG AACAAGAATT ATTGGAATTA GATAAATGGG CAAGTTTGTG
7381 GAATTGGTTT AACATAACAA ATTGGCTGTG GTATATAAAA TTATTCATAA TGATAGTAGG
7441 AGGCTTGTA GGTTTAAGAA TAGTTTTTGC TGTACTTTCT ATAGTGAATA GAGTTAGGCA
7501 GGGATATTCA CCATTATCGT TTCAGACCCA CCTCCCAACC CCGAGGGGAC AATTCTCGAC
7561 CTCGAGACAA ATGGCAGTAT TCATCCACAA TTTTAAAAGA AAAGGGGGGA TTGGGGGGTA
7621 CAGTGCAGGG GAAAGAATAG TAGACATAAT AGCAACAGAC ATACAAACTA AAGAATTACA
7681 AAAACAAATT AAAAAATTC AAAATTTTCG GGTTTATTAC AGGGACAGCA

//