LOCUS pJFRC7-PAT3-Halo(V2)-\_C 9839 bp ds-DNA circular 03-JUN-2021

DEFINITION .

FEATURES Location/Qualifiers

 misc\_feature 706..990

 /label="AttB"

 /ApEinfo\_revcolor=#ff9ccd

 /ApEinfo\_fwdcolor=#ff9ccd

 misc\_feature 1840..4494

 /label="mini white NGS"

 /ApEinfo\_revcolor=#f58a5e

 /ApEinfo\_fwdcolor=#f58a5e

 misc\_feature 5140..5925

 /label="20xUAS"

 /ApEinfo\_revcolor=#85dae9

 /ApEinfo\_fwdcolor=#85dae9

 misc\_feature 5894..6121

 /label="HS promoter"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 primer 5905..5925

 /label="Tims UAS geno F1"

 /note="sequence: AAATAGAGGCGCTTCGTCTAC"

 /ApEinfo\_revcolor=#ff9ccd

 /ApEinfo\_fwdcolor=#ff9ccd

 primer 6204..6240

 /label="Pat3 PJFRC7 Gib F1 RE Frag"

 /note="sequence: CCTTTACTTCAGGCGGCCGCGGCTCGAGATGCCACCT"

 /ApEinfo\_revcolor=#f8d3a9

 /ApEinfo\_fwdcolor=#f8d3a9

 primer 6204..6249

 /label="PJFRC7 Pat3 Gib 12/11"

 /note="sequence: CCTTTACTTCAGGCGGCCGCGGCTCGAGATGCCACCTTCAACATCA"

 /ApEinfo\_revcolor=#c6c9d1

 /ApEinfo\_fwdcolor=#c6c9d1

 primer 6206..6249

 /label="PJFR7 Pat3 Gib 12/11 2"

 /note="sequence: TTTACTTCAGGCGGCCGCGGCTCGAGATGCCACCTTCAACATCA"

 /ApEinfo\_revcolor=#b1ff67

 /ApEinfo\_fwdcolor=#b1ff67

 primer 6212..6249

 /label="PJFRC7 Pat3 GIB 2/24"

 /note="sequence: TCAGGCGGCCGCGGCTCGAGATGCCACCTTCAACATCA"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 misc\_feature 6232..6319

 /label="Pat-3 "

 /ApEinfo\_revcolor=#9eafd2

 /ApEinfo\_fwdcolor=#9eafd2

 CDS 6232..6324

 /label="Translation 6232-6324"

 misc\_feature 6325..7212

 /label="HaloTag"

 /ApEinfo\_revcolor=#c7b0e3

 /ApEinfo\_fwdcolor=#c7b0e3

 CDS 6325..7212

 /label="Translation 6325-7212"

 primer complement(6385..6403)

 /label="Halo Genotyping R2"

 /note="sequence: CAACATCGACGTAGTGCAT"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 primer 6569..6583

 /label="Halo Mid Seq F2"

 /note="sequence: ACCACGTCCGCTTCA"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 misc\_feature 7213..7242

 /label="Linker"

 /ApEinfo\_revcolor=#85dae9

 /ApEinfo\_fwdcolor=#85dae9

 CDS 7213..7923

 /label="Translation 7213-7923"

 primer complement(7232..7257)

 /label="Halo CD4 R2 NoTag"

 /note="sequence: CTTCTGGAAGTCGACCGAGCCTCCAC"

 /ApEinfo\_revcolor=#c6c9d1

 /ApEinfo\_fwdcolor=#c6c9d1

 misc\_feature 7249..7923

 /label="CD4 "

 /ApEinfo\_revcolor=#ff9ccd

 /ApEinfo\_fwdcolor=#ff9ccd

 primer 7449..7466

 /label="CD45'seq"

 /note="sequence: TAAGCTCCAGATGGGCAA"

 /ApEinfo\_revcolor=#d6b295

 /ApEinfo\_fwdcolor=#d6b295

 primer complement(7912..7928)

 /label="pJFRC7 CD4 Gib from RE frag"

 /note="sequence: CTAGACTAGCGCCTTCG"

 /ApEinfo\_revcolor=#b7e6d7

 /ApEinfo\_fwdcolor=#b7e6d7

 primer complement(7912..7946)

 /label="PJFRC7 CD4 Gib 2/24"

 /note="sequence: TTCCTTCACAAAGATCCTCTAGACTAGCGCCTTCG"

 /ApEinfo\_revcolor=#f58a5e

 /ApEinfo\_fwdcolor=#f58a5e

 primer complement(7912..7949)

 /label="PJFRC7 CD4 gib 12/11"

 /note="sequence: AGGTTCCTTCACAAAGATCCTCTAGACTAGCGCCTTCG"

 /ApEinfo\_revcolor=#ff9ccd

 /ApEinfo\_fwdcolor=#ff9ccd

 primer complement(7913..7949)

 /label="pJFRC7 CD4 Gib from RE frag"

 /note="sequence: AGGTTCCTTCACAAAGATCCTCTAGACTAGCGCCTTC"

 /ApEinfo\_revcolor=#d59687

 /ApEinfo\_fwdcolor=#d59687

 misc\_feature 7924..7924

 /label="mCD8GFP"

 /ApEinfo\_revcolor=#d6b295

 /ApEinfo\_fwdcolor=#d6b295

 misc\_feature 7925..8432

 /label="WPRE Ect. "

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 polyA\_signal complement(8433..8624)

 /label="SV40 late polyA"

 /ApEinfo\_revcolor=#c6c9d1

 /ApEinfo\_fwdcolor=#c6c9d1

 CDS 9058..9717

 /label="AmpR"

 /ApEinfo\_revcolor=#ffef86

 /ApEinfo\_fwdcolor=#ffef86

ORIGIN

 1 GTTTTCGTTC CACTGAGCGT CAGACCCCGT AGAAAAGATC AAAGGATCTT CTTGAGATCC

 61 TTTTTTTCTG CGCGTAATCT GCTGCTTGCA AACAAAAAAA CCACCGCTAC CAGCGGTGGT

 121 TTGTTTGCCG GATCAAGAGC TACCAACTCT TTTTCCGAAG GTAACTGGCT TCAGCAGAGC

 181 GCAGATACCA AATACTGTTC TTCTAGTGTA GCCGTAGTTA GGCCACCACT TCAAGAACTC

 241 TGTAGCACCG CCTACATACC TCGCTCTGCT AATCCTGTTA CCAGTGGCTG CTGCCAGTGG

 301 CGATAAGTCG TGTCTTACCG GGTTGGACTC AAGACGATAG TTACCGGATA AGGCGCAGCG

 361 GTCGGGCTGA ACGGGGGGTT CGTGCACACA GCCCAGCTTG GAGCGAACGA CCTACACCGA

 421 ACTGAGATAC CTACAGCGTG AGCTATGAGA AAGCGCCACG CTTCCCGAAG GGAGAAAGGC

 481 GGACAGGTAT CCGGTAAGCG GCAGGGTCGG AACAGGAGAG CGCACGAGGG AGCTTCCAGG

 541 GGGAAACGCC TGGTATCTTT ATAGTCCTGT CGGGTTTCGC CACCTCTGAC TTGAGCGTCG

 601 ATTTTTGTGA TGCTCGTCAG GGGGGCGGAG CCTATGGAAA AACGCCAGCA ACGCGGCCTT

 661 TTTACGGTTC CTGGCCTTTT GCTGGCCTTT TGCTCACATG TTACCGTCGA CGATGTAGGT

 721 CACGGTCTCG AAGCCGCGGT GCGGGTGCCA GGGCGTGCCC TTGGGCTCCC CGGGCGCGTA

 781 CTCCACCTCA CCCATCTGGT CCATCATGAT GAACGGGTCG AGGTGGCGGT AGTTGATCCC

 841 GGCGAACGCG CGGCGCACCG GGAAGCCCTC GCCCTCGAAA CCGCTGGGCG CGGTGGTCAC

 901 GGTGAGCACG GGACGTGCGA CGGCGTCGGC GGGTGCGGAT ACGCGGGGCA GCGTCAGCGG

 961 GTTCTCGACG GTCACGGCGG GCATGTCGAC AAGCCGAACA TATGGGCGCG CCTAGTATGT

 1021 ATGTAAGTTA ATAAAACCCA TTTTTGCGGA AAGTAGATAA AAAAAACATT TTTTTTTTTT

 1081 ACTGCACTGG ATATCATTGA ACTTATCTGA TCAGTTTTAA ATTTACTTCG ATCCAAGGGT

 1141 ATTTGATGTA CCAGGTTCTT TCGATTACCT CTCACTCAAA ATGACATTCC ACTCAAAGTC

 1201 AGCGCTGTTT GCCTCCTTCT CTGTCCACAG AAATATCGCC GTCTCTTTCG CCGCTGCGTC

 1261 CGCTATCTCT TTCGCCACCG TTTGTAGCGT TACGTAGCGT CAATGTCCGC CTTCAGTTGC

 1321 ATTTTGTCAG CGGTTTCGTG ACGAAGCTCC AAGCGGTTTA CGCCATCAAT TAAACACAAA

 1381 GTGCTGTGCC AAAACTCCTC TCGCTTCTTA TTTTTGTTTG TTTTTTGAGT GATTGGGGTG

 1441 GTGATTGGTT TTGGGTGGGT AAGCAGGGGA AAGTGTGAAA AATCCCGGCA ATGGGCCAAG

 1501 AGGATCAGGA GCTATTAATT CGCGGAGGCA GCAAACACCC ATCTGCCGAG CATCTGAACA

 1561 ATGTGAGTAG TACATGTGCA TACATCTTAA GTTCACTTGA TCTATAGGAA CTGCGATTGC

 1621 AACATCAAAT TGTCTGCGGC GTGAGAACTG CGACCCACAA AAATCCCAAA CCGCAATTGC

 1681 ACAAACAAAT AGTGACACGA AACAGATTAT TCTGGTAGCT GTTCTCGCTA TATAAGACAA

 1741 TTTTTGAGAT CATATCATGA TCAAGACATC TAAAGGCATT CATTTTCGAC TATATTCTTT

 1801 TTTACAAAAA ATATAACAAC CAGATATTTT AAGCTGATCC TAGATGCACA AAAAATAAAT

 1861 AAAAGTATAA ACCTACTTCG TAGGATACTT CGGGGTACTT TTTGTTCGGG GTTAGATGAG

 1921 CATAACGCTT GTAGTTGATA TTTGAGATCC CCTATCATTG CAGGGTGACA GCGGAGCGGC

 1981 TTCGCAGAGC TGCATTAACC AGGGCTTCGG GCAGGCCAAA AACTACGGCA CGCTCCGGCC

 2041 ACCCAGTCCG CCGGAGGACT CCGGTTCAGG GAGCGGCCAA CTAGCCGAGA ACCTCACCTA

 2101 TGCCTGGCAC AATATGGACA TCTTTGGGGC GGTCAATCAG CCGGGCTCCG GATGGCGGCA

 2161 GCTGGTCAAC CGGACACGCG GACTATTCTG CAACGAGCGA CACATACCGG CGCCCAGGAA

 2221 ACATTTGCTC AAGAACGGTG AGTTTCTATT CGCAGTCGGC TGATCTGTGT GAAATCTTAA

 2281 TAAAGGGTCC AATTACCAAT TTGAAACTCA GTTTGCGGCG TGGCCTATCC GGGCGAACTT

 2341 TTGGCCGTGA TGGGCAGTTC CGGTGCCGGA AAGACGACCC TGCTGAATGC CCTTGCCTTT

 2401 CGATCGCCGC AGGGCATCCA AGTATCGCCA TCCGGGATGC GACTGCTCAA TGGCCAACCT

 2461 GTGGACGCCA AGGAGATGCA GGCCAGGTGC GCCTATGTCC AGCAGGATGA CCTCTTTATC

 2521 GGCTCCCTAA CGGCCAGGGA ACACCTGATT TTCCAAGCCA TGGTGCGGAT GCCACGACAT

 2581 CTGACCTATC GGCAGCGAGT GGCCCGCGTG GATCAGGTGA TCCAGGAGCT TTCGCTCAGC

 2641 AAATGTCAGC ACACGATCAT CGGTGTGCCC GGCAGGGTGA AAGGTCTGTC CGGCGGAGAA

 2701 AGGAAGCGTC TGGCATTCGC CTCCGAGGCT CTAACCGATC CGCCGCTTCT GATCTGCGAT

 2761 GAGCCCACCT CCGGACTGGA CTCCTTTACC GCCCACAGCG TCGTCCAGGT GCTGAAGAAG

 2821 CTGTCGCAGA AGGGCAAGAC CGTCATCCTG ACCATTCATC AGCCGTCTTC CGAGCTGTTT

 2881 GAGCTCTTTG ACAAGATCCT TCTGATGGCC GAGGGCAGGG TAGCTTTCTT GGGCACTCCC

 2941 AGCGAAGCCG TCGACTTCTT TTCCTAGTGA GTTCGATGTG TTTATTAAGG GTATCTAGTA

 3001 TTACATAACA TCTCAACTCC TATCCAGCGT GGGTGCCCAG TGTCCTACCA ACTACAATCC

 3061 GGCGGACTTT TACGTACAGG TGTTGGCCGT TGTGCCCGGA CGGGAGATCG AGTCCCGTGA

 3121 TCGGATCGCC AAGATATGCG ACAATTTTGC CATTAGCAAA GTAGCCCGGG ATATGGAGCA

 3181 GTTGTTGGCC ACCAAAAATC TGGAGAAGCC ACTGGAGCAG CCGGAGAATG GGTACACCTA

 3241 CAAGGCCACC TGGTTCATGC AGTTCCGGGC GGTCCTGTGG CGATCCTGGC TGTCGGTGCT

 3301 CAAGGAACCA CTCCTCGTAA AAGTGCGACT TATTCAGACA ACGGTGAGTG GTTCCAGTGG

 3361 AAACAAATGA TATAACGCTT ACAATTCTTG GAAACAAATT CGCTAGATTT TAGATAGAAT

 3421 TGCCTGATTC CACACCCTTC TTAGTTTTTT TCAATGAGAT GTATAGTTTA TAGTTTTGCA

 3481 GAAGATAAAT AAATTTCATT TAACTCGCGA ATATTAATGA GATGCGAGTA ACATTTTAAT

 3541 TTGCAGATGG TTGCCATCTT GATTGGCCTC ATCTTTTTGG GCCAACAACT CACGCAAGTG

 3601 GGTGTGATGA ATATCAACGG AGCCATCTTC CTCTTCCTGA CCAACATGAC CTTTCAAAAC

 3661 GTCTTTGCCA CGATAAATGT AAGTCATGTT TAGAATACAT TTGCATTTCA ATAATTTACT

 3721 AACTTTCTAA TGAATCGATT CGATTTAGGT GTTCACCTCA GAGCTGCCAG TTTTTATGAG

 3781 GGAGGCCCGA AGTCGACTTT ATCGCTGTGA CACATACTTT CTGGGCAAAA CGATTGCCGA

 3841 ATTGCCGCTT TTTCTCACAG TGCCACTGGT CTTCACGGCG ATTGCCTATC CGATGATCGG

 3901 ACTGCGGGCC GGAGTGCTGC ACTTCTTCAA CTGCCTGGCG CTGGTCACTC TGGTGGCCAA

 3961 TGTGTCAACG TCCTTCGGAT ATCTAATATC CTGCGCCAGC TCCTCGACCT CGATGGCGCT

 4021 GTCTGTGGGT CCGCCGGTTA TCATACCATT CCTGCTCTTT GGCGGCTTCT TCTTGAACTC

 4081 GGGCTCGGTG CCAGTATACC TCAAATGGTT GTCGTACCTC TCATGGTTCC GTTACGCCAA

 4141 CGAGGGTCTG CTGATTAACC AATGGGCGGA CGTGGAGCCG GGCGAAATTA GCTGCACATC

 4201 GTCGAACACC ACGTGCCCCA GTTCGGGCAA GGTCATCCTG GAGACGCTTA ACTTCTCCGC

 4261 CGCCGATCTG CCGCTGGACT ACGTGGGTCT GGCCATTCTC ATCGTGAGCT TCCGGGTGCT

 4321 CGCATATCTG GCTCTAAGAC TTCGGGCCCG ACGCAAGGAG TAGCCGACAT ATATCCGAAA

 4381 TAACTGCTTG TTTTTTTTTT TTACCATTAT TACCATCGTG TTTACTGTTT ATTGCCCCCT

 4441 CAAAAAGCTA ATGTAATTAT ATTTGTGCCA ATAAAAACAA GATATGACCT ATAGAATACA

 4501 AGTATTTCCC CTTCGAACAT CCCCACAAGT AGACTTTGGA TTTGTCTTCT AACCAAAAGA

 4561 CTTACACACC TGCATACCTT ACATCAAAAA CTCGTTTATC GCTACATAAA ACACCGGGAT

 4621 ATATTTTTTA TATACATACT TTTCAAATCG CGCGCCCTCT TCATAATTCA CCTCCACCAC

 4681 ACCACGTTTC GTAGTTGCTC TTTCGCTGTC TCCCACCCGC TCTCCGCAAC ACATTCACCT

 4741 TTTGTTCGAC GACCTTGGAG CGACTGTCGT TAGTTCCGCG CGATTCGGTT CGCTCAAATG

 4801 GTTCCGAGTG GTTCATTTCG TCTCAATAGA AATTAGTAAT AAATATTTGT ATGTACAATT

 4861 TATTTGCTCC AATATATTTG TATATATTTC CCTCACAGCT ATATTTATTC TAATTTAATA

 4921 TTATGACTTT TTAAGGTAAT TTTTTGTGAC CTGTTCGGAG TGATTAGCGT TACAATTTGA

 4981 ACTGAAAGTG ACATCCAGTG TTTGTTCCTT GTGTAGATGC ATCTCAAAAA AATGGTGGGC

 5041 ATAATAGTGT TGTTTATATA TATCAAAAAT AACAACTATA ATAATAAGAA TACATTTAAT

 5101 TTAGAAAATG CTTGGATTTC ACTGGAACTA GGGCGCGCCT CCGGAACATA ATGGTGCAGG

 5161 GCGCTGACTT CCGCGTTTCC AGACTTTACG AAACACGGAA ACCGAAGACC ATTCATGTTG

 5221 TTGCTCAGGT CGCAGACGTT TTGCAGCAGC AGTCGCTTCA CGTTCGCTCG CGTATCGGTG

 5281 ATTCATTCTG CTAACCAGTA AGGCAACCCC GCCAGCCTAG CCGGGTCCTC AACGACAGGA

 5341 GCACGATCAT GCGCACCCGT GGCCAGGGCC GCAAGCTTGC ATGCCTGCAG GTCGGAGTAC

 5401 TGTCCTCCGA GCGGAGTACT GTCCTCCGAG CGGAGTACTG TCCTCCGAGC GGAGTACTGT

 5461 CCTCCGAGCG GAGTACTGTC CTCCGAGCGG AGACTCTAGC CCTAGGGCAT GCCTGCAGGT

 5521 CGGAGTACTG TCCTCCGAGC GGAGTACTGT CCTCCGAGCG GAGTACTGTC CTCCGAGCGG

 5581 AGTACTGTCC TCCGAGCGGA GTACTGTCCT CCGAGCGGAG ACTCTAGCGC TAGCGCATGC

 5641 CTGCAGGTCG GAGTACTGTC CTCCGAGCGG AGTACTGTCC TCCGAGCGGA GTACTGTCCT

 5701 CCGAGCGGAG TACTGTCCTC CGAGCGGAGT ACTGTCCTCC GAGCGGAGAC TCTAGCACTA

 5761 GTGCATGCCT GCAGGTCGGA GTACTGTCCT CCGAGCGGAG TACTGTCCTC CGAGCGGAGT

 5821 ACTGTCCTCC GAGCGGAGTA CTGTCCTCCG AGCGGAGTAC TGTCCTCCGA GCGGAGACTC

 5881 TAGCGACGTC GAGCGCCGGA GTATAAATAG AGGCGCTTCG TCTACGGAGC GACAATTCAA

 5941 TTCAAACAAG CAAAGTGAAC ACGTCGCTAA GCGAAAGCTA AGCAAATAAA CAAGCGCAGC

 6001 TGAACAAGCT AAACAATCTG CAGTAAAGTG CAAGTTAAAG TGAATCAATT AAAAGTAACC

 6061 AGCAACCAAG TAAATCAACT GCAACTACTG AAATCTGCCA AGAAGTAATT ATTGAATACA

 6121 AGAAGAGAAC TCTGAATAGA TCTAAAAGGT AGGTTCAACC ACTGATGCCT AGGCACACCG

 6181 AAACGACTAA CCCTAATTCT TATCCTTTAC TTCAGGCGGC CGCGGCTCGA GATGCCACCT

 6241 TCAACATCAT TGCTGCTCCT CGCAGCACTT CTTCCATTCG CTTTACCAGC AAGCGATTGG

 6301 AAGACTGGAG AAGTCACTGC TAGCGCAGAA ATCGGTACTG GCTTTCCATT CGACCCCCAT

 6361 TATGTGGAAG TCCTGGGCGA GCGCATGCAC TACGTCGATG TTGGTCCGCG CGATGGCACC

 6421 CCTGTGCTGT TCCTGCACGG TAACCCGACC TCCTCCTACG TGTGGCGCAA CATCATCCCG

 6481 CATGTTGCAC CGACCCATCG CTGCATTGCT CCAGACCTGA TCGGTATGGG CAAATCCGAC

 6541 AAACCAGACC TGGGTTATTT CTTCGACGAC CACGTCCGCT TCATGGATGC CTTCATCGAA

 6601 GCCCTGGGTC TGGAAGAGGT CGTCCTGGTC ATTCACGACT GGGGCTCCGC TCTGGGTTTC

 6661 CACTGGGCCA AGCGCAATCC AGAGCGCGTC AAAGGTATTG CATTTATGGA GTTCATCCGC

 6721 CCTATCCCGA CCTGGGACGA ATGGCCAGAA TTTGCCCGCG AGACCTTCCA GGCCTTCCGC

 6781 ACCACCGACG TCGGCCGCAA GCTGATCATC GATCAGAACG TTTTTATCGA GGGTACGCTG

 6841 CCGATGGGTG TCGTCCGCCC GCTGACTGAA GTCGAGATGG ACCATTACCG CGAGCCGTTC

 6901 CTGAATCCTG TTGACCGCGA GCCACTGTGG CGCTTCCCAA ACGAGCTGCC AATCGCCGGT

 6961 GAGCCAGCGA ACATCGTCGC GCTGGTCGAA GAATACATGG ACTGGCTGCA CCAGTCCCCT

 7021 GTCCCGAAGC TGCTGTTCTG GGGCACCCCA GGCGTTCTGA TCCCACCGGC CGAAGCCGCT

 7081 CGCCTGGCCA AAAGCCTGCC TAACTGCAAG GCTGTGGACA TCGGCCCGGG TCTGAATCTG

 7141 CTGCAAGAAG ACAACCCGGA CCTGATCGGC AGCGAGATCG CGCGCTGGCT GTCGACGCTC

 7201 GAGATTTCCG GCGGTGGCGG CGGAAGTGGA GGTGGAGGCT CGGTCGACTT CCAGAAGGCC

 7261 TCCAGCATAG TCTATAAGAA AGAGGGGGAA CAGGTGGAGT TCTCCTTCCC ACTCGCCTTT

 7321 ACAGTTGAAA AGCTGACGGG CAGTGGCGAG CTGTGGTGGC AGGCGGAGAG GGCTTCCTCC

 7381 TCCAAGTCTT GGATCACCTT TGACCTGAAG AACAAGGAAG TGTCTGTAAA ACGGGTTACC

 7441 CAGGACCCTA AGCTCCAGAT GGGCAAGAAG CTCCCGCTCC ACCTCACCCT GCCCCAGGCC

 7501 TTGCCTCAGT ATGCTGGCTC TGGAAACCTC ACCCTGGCCC TTGAAGCGAA AACAGGAAAG

 7561 TTGCATCAGG AAGTGAACCT GGTGGTGATG AGAGCCACTC AGCTCCAGAA AAATTTGACC

 7621 TGTGAGGTGT GGGGACCCAC CTCCCCTAAG CTGATGCTGA GCTTGAAACT GGAGAACAAG

 7681 GAGGCAAAGG TCTCGAAGCG GGAGAAGGCG GTGTGGGTGC TGAACCCTGA GGCGGGGATG

 7741 TGGCAGTGTC TGCTGAGTGA CTCGGGACAG GTCCTGCTGG AATCCAACAT CAAGGTTCTG

 7801 CCCACATGGT CCACCCCGGT GCAGCCAATG GCCCTGATTG TGCTGGGGGG CGTCGCCGGC

 7861 CTCCTGCTTT TCATTGGGCT AGGCATCTTC TTCTGTGTCA GGTGCCGGCA CCGAAGGCGC

 7921 TAGTCTAGAG GATCTTTGTG AAGGAACCTT ACTTCTGTGG TGTGACATAA TTGGACAAAC

 7981 TACCTACAGA GATTTAAAGC TCTAAGGTAA ATATAAAATT TTTAAGTGTA TAATGTGTTA

 8041 AACTACTGAT TCTAATTGTT TGTGTATTTT AGATTCCAAC CTATGGAACT GATGAATGGG

 8101 AGCAGTGGTG GAATGCCTTT AATGAGGAAA ACCTGTTTTG CTCAGAAGAA ATGCCATCTA

 8161 GTGATGATGA GGCTACTGCT GACTCTCAAC ATTCTACTCC TCCAAAAAAG AAGAGAAAGG

 8221 TAGAAGACCC CAAGGACTTT CCTTCAGAAT TGCTAAGTTT TTTGAGTCAT GCTGTGTTTA

 8281 GTAATAGAAC TCTTGCTTGC TTTGCTATTT ACACCACAAA GGAAAAAGCT GCACTGCTAT

 8341 ACAAGAAAAT TATGGAAAAA TATTTGATGT ATAGTGCCTT GACTAGAGAT CATAATCAGC

 8401 CATACCACAT TTGTAGAGGT TTTACTTGCT TTAAAAAACC TCCCACACCT CCCCCTGAAC

 8461 CTGAAACATA AAATGAATGC AATTGTTGTT GTTAACTTGT TTATTGCAGC TTATAATGGT

 8521 TACAAATAAA GCAATAGCAT CACAAATTTC ACAAATAAAG CATTTTTTTC ACTGCATTCT

 8581 AGTTGTGGTT TGTCCAAACT CATCAATGTA TCTTATCATG TCTGGATCGA TCTGGCCGGC

 8641 CGTTTAAACG AATTCTTGAA GACGAAAGGG CCTCGTGATA CGCCTATTTT TATAGGTTAA

 8701 TGTCATGATA ATAATGGTTT CTTAGACTCA GGTGGCACTT TTCGGGGAAA TGTGCGCGGA

 8761 ACCCCTATTT GTTTATTTTT CTAAATACAT TCAAATATGT ATCCGCTCAT GAGACAATAA

 8821 CCCTGATAAA TGCTTCAATA ATATTGAAAA AGGAAGAGTA TGAGTATTCA ACATTTCCGT

 8881 GTCGCCCTTA TTCCCTTTTT TGCGGCATTT TGCCTTCCTG TTTTTGCTCA CCCAGAAACG

 8941 CTGGTGAAAG TAAAAGATGC TGAAGATCAG TTGGGTGCAC GAGTGGGTTA CATCGAACTG

 9001 GATCTCAACA GCGGTAAGAT CCTTGAGAGT TTTCGCCCCG AAGAACGTTT TCCAATGATG

 9061 AGCACTTTTA AAGTTCTGCT ATGTGGCGCG GTATTATCCC GTATTGACGC CGGGCAAGAG

 9121 CAACTCGGTC GCCGCATACA CTATTCTCAG AATGACTTGG TTGAGTACTC ACCAGTCACA

 9181 GAAAAGCATC TTACGGATGG CATGACAGTA AGAGAATTAT GCAGTGCTGC CATAACCATG

 9241 AGTGATAACA CTGCGGCCAA CTTACTTCTG ACAACGATCG GAGGACCGAA GGAGCTAACC

 9301 GCTTTTTTGC ACAACATGGG GGATCATGTA ACTCGCCTTG ATCGTTGGGA ACCGGAGCTG

 9361 AATGAAGCCA TACCAAACGA CGAGCGTGAC ACCACGATGC CTGTAGCAAT GGCAACAACG

 9421 TTGCGCAAAC TATTAACTGG CGAACTACTT ACTCTAGCTT CCCGGCAACA ATTAATAGAC

 9481 TGGATGGAGG CGGATAAAGT TGCAGGACCA CTTCTGCGCT CGGCCCTTCC GGCTGGCTGG

 9541 TTTATTGCTG ATAAATCTGG AGCCGGTGAG CGTGGGTCTC GCGGTATCAT TGCAGCACTG

 9601 GGGCCAGATG GTAAGCCCTC CCGTATCGTA GTTATCTACA CGACGGGGAG TCAGGCAACT

 9661 ATGGATGAAC GAAATAGACA GATCGCTGAG ATAGGTGCCT CACTGATTAA GCATTGGTAA

 9721 CTGTCAGACC AAGTTTACTC ATATATACTT TAGATTGATT TAAAACTTCA TTTTTAATTT

 9781 AAAAGGATCT AGGTGAAGAT CCTTTTTGAT AATCTCATGA CCAAAATCCC TTAACGTGA

//