LOCUS pJFRC19-PAT3-Halo(V2)-C 9718 bp ds-DNA circular 03-JUN-2021

DEFINITION .

FEATURES Location/Qualifiers

 primer 92..118

 /label="pJFRC7 5' Seq 55"

 /note="sequence: TGGTGGGCATAATAGTGTTGTTTATAT"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 primer 429..443

 /label="PLEHA 55 5' Bridge Fin"

 /note="sequence: CGCAAGCTTGCATGC"

 /ApEinfo\_revcolor=#c7b0e3

 /ApEinfo\_fwdcolor=#c7b0e3

 misc\_feature 432..824

 /label="LexAop "

 /ApEinfo\_revcolor=#85dae9

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 primer 829..850

 /label="Hsp70 promoter seq"

 /note="sequence: GAGCGCCGGAGTATAAATAGAG"

 /ApEinfo\_revcolor=#75c6a9

 /ApEinfo\_fwdcolor=#75c6a9

 misc\_feature 832..1059

 /label="HS promoter"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 primer 838..853

 /label="20xUASF1"

 /note="sequence: AGTATAAATAGAGGCG"

 /ApEinfo\_revcolor=#75c6a9

 /ApEinfo\_fwdcolor=#75c6a9

 primer complement(954..968)

 /label="20xUASR2"

 /note="sequence: CACTTTACTGCAGAT"

 /ApEinfo\_revcolor=#d59687

 /ApEinfo\_fwdcolor=#d59687

 misc\_feature 1170..1257

 /label="Pat-3 "

 /ApEinfo\_revcolor=#9eafd2

 /ApEinfo\_fwdcolor=#9eafd2

 CDS 1170..1262

 /label="Translation 1170-1262"

 misc\_feature 1263..2150

 /label="HaloTag"

 /ApEinfo\_revcolor=#c7b0e3

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 CDS 1263..2150

 /label="Translation 1263-2150"

 primer complement(1323..1341)

 /label="Halo Genotyping R2"

 /note="sequence: CAACATCGACGTAGTGCAT"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 primer 1507..1521

 /label="Halo Mid Seq F2"

 /note="sequence: ACCACGTCCGCTTCA"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 misc\_feature 2151..2180

 /label="Linker"

 /ApEinfo\_revcolor=#85dae9

 /ApEinfo\_fwdcolor=#85dae9

 CDS 2151..2861

 /label="Translation 2151-2861"

 primer complement(2170..2195)

 /label="Halo CD4 R2 NoTag"

 /note="sequence: CTTCTGGAAGTCGACCGAGCCTCCAC"

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 misc\_feature 2187..2861

 /label="CD4 "

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 primer 2387..2404

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 /note="sequence: TAAGCTCCAGATGGGCAA"

 /ApEinfo\_revcolor=#d6b295

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 misc\_feature 2863..3370

 /label="WPRE Ect. "

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 primer complement(2868..2889)

 /label="CD4 amp OUT"

 /note="sequence: TAAGGTTCCTTCACAAAGATCC"

 /ApEinfo\_revcolor=#c6c9d1

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 primer 3106..3122

 /label="pJFRC7 WPRE F1 55"

 /note="sequence: TGAGGCTACTGCTGACT"

 /ApEinfo\_revcolor=#85dae9

 /ApEinfo\_fwdcolor=#85dae9

 polyA\_signal complement(3371..3562)

 /label="SV40 late polyA"

 /ApEinfo\_revcolor=#c6c9d1

 /ApEinfo\_fwdcolor=#c6c9d1

 CDS 3996..4655

 /label="AmpR"

 /ApEinfo\_revcolor=#b7e6d7

 /ApEinfo\_fwdcolor=#b7e6d7

 primer 5211..5230

 /label="AttB Sequencing F1V2"

 /note="sequence: CAGCGTGAGCTATGAGAAAG"

 /ApEinfo\_revcolor=#ffef86

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 misc\_feature 5483..5767

 /label="AttB"

 /ApEinfo\_revcolor=#ff9ccd

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 primer 5986..6003

 /label="Mini white F1"

 /note="sequence: TTGCCTCCTTCTCTGTCC"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 primer complement(6084..6100)

 /label="AttB Sequencing R1V1"

 /note="sequence: AATGCAACTGAAGGCGG"

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 /ApEinfo\_fwdcolor=#b4abac

 misc\_feature 6617..9271

 /label="mini white NGS"

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 primer 6733..6749

 /label="Mini white F2"

 /note="sequence: CATTGCAGGGTGACAGC"

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 primer 7451..7468

 /label="Mini white F3"

 /note="sequence: AGGGTGAAAGGTCTGTCC"

 /ApEinfo\_revcolor=#faac61

 /ApEinfo\_fwdcolor=#faac61

 primer 8199..8212

 /label="Mini white F4"

 /note="sequence: GCCTGATTCCACAC"

 /ApEinfo\_revcolor=#9eafd2

 /ApEinfo\_fwdcolor=#9eafd2

 primer 8199..8214

 /label="Mini white F4"

 /note="sequence: GCCTGATTCCACACCC"

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 primer 8892..8907

 /label="Mini white F5"

 /note="sequence: TACCTCTCATGGTTCC"

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 61 TTGTTCCTTG TGTAGATGCA TCTCAAAAAA ATGGTGGGCA TAATAGTGTT GTTTATATAT

 121 ATCAAAAATA ACAACTATAA TAATAAGAAT ACATTTAATT TAGAAAATGC TTGGATTTCA

 181 CTGGAACTAG GGCGCGCCTC CGGAACATAA TGGTGCAGGG CGCTGACTTC CGCGTTTCCA

 241 GACTTTACGA AACACGGAAA CCGAAGACCA TTCATGTTGT TGCTCAGGTC GCAGACGTTT

 301 TGCAGCAGCA GTCGCTTCAC GTTCGCTCGC GTATCGGTGA TTCATTCTGC TAACCAGTAA

 361 GGCAACCCCG CCAGCCTAGC CGGGTCCTCA ACGACAGGAG CACGATCATG CGCACCCGTG

 421 GCCAGGGCCG CAAGCTTGCA TGCCTGCAGG TTACTGTACA TCCATACAGT AAGTACTGTA

 481 CATCCATACA GTAAGTACTG TACATCCATA CAGTAAGTAC TGTACATCCA TACAGTAAGT

 541 ACTGTACATC CATACAGTAA GCGGAGACTC TAGCCCTAGG GCATGCCTGC AGGTTACTGT

 601 ACATCCATAC AGTAAGTACT GTACATCCAT ACAGTAAGTA CTGTACATCC ATACAGTAAG

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 781 GTACTGTACA TCCATACAGT AAGCGGAGAC TCTAGCACTA GTGACGTCGA GCGCCGGAGT

 841 ATAAATAGAG GCGCTTCGTC TACGGAGCGA CAATTCAATT CAAACAAGCA AAGTGAACAC

 901 GTCGCTAAGC GAAAGCTAAG CAAATAAACA AGCGCAGCTG AACAAGCTAA ACAATCTGCA

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 1021 AACTACTGAA ATCTGCCAAG AAGTAATTAT TGAATACAAG AAGAGAACTC TGAATAGATC

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 1141 TCCTTTACTT CAGGCGGCCG CGGCTCGAGA TGCCACCTTC AACATCATTG CTGCTCCTCG

 1201 CAGCACTTCT TCCATTCGCT TTACCAGCAA GCGATTGGAA GACTGGAGAA GTCACTGCTA

 1261 GCGCAGAAAT CGGTACTGGC TTTCCATTCG ACCCCCATTA TGTGGAAGTC CTGGGCGAGC

 1321 GCATGCACTA CGTCGATGTT GGTCCGCGCG ATGGCACCCC TGTGCTGTTC CTGCACGGTA

 1381 ACCCGACCTC CTCCTACGTG TGGCGCAACA TCATCCCGCA TGTTGCACCG ACCCATCGCT

 1441 GCATTGCTCC AGACCTGATC GGTATGGGCA AATCCGACAA ACCAGACCTG GGTTATTTCT

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 1741 TGATCATCGA TCAGAACGTT TTTATCGAGG GTACGCTGCC GATGGGTGTC GTCCGCCCGC

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 1861 CACTGTGGCG CTTCCCAAAC GAGCTGCCAA TCGCCGGTGA GCCAGCGAAC ATCGTCGCGC

 1921 TGGTCGAAGA ATACATGGAC TGGCTGCACC AGTCCCCTGT CCCGAAGCTG CTGTTCTGGG

 1981 GCACCCCAGG CGTTCTGATC CCACCGGCCG AAGCCGCTCG CCTGGCCAAA AGCCTGCCTA

 2041 ACTGCAAGGC TGTGGACATC GGCCCGGGTC TGAATCTGCT GCAAGAAGAC AACCCGGACC

 2101 TGATCGGCAG CGAGATCGCG CGCTGGCTGT CGACGCTCGA GATTTCCGGC GGTGGCGGCG

 2161 GAAGTGGAGG TGGAGGCTCG GTCGACTTCC AGAAGGCCTC CAGCATAGTC TATAAGAAAG

 2221 AGGGGGAACA GGTGGAGTTC TCCTTCCCAC TCGCCTTTAC AGTTGAAAAG CTGACGGGCA

 2281 GTGGCGAGCT GTGGTGGCAG GCGGAGAGGG CTTCCTCCTC CAAGTCTTGG ATCACCTTTG

 2341 ACCTGAAGAA CAAGGAAGTG TCTGTAAAAC GGGTTACCCA GGACCCTAAG CTCCAGATGG

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 3901 AAGATCAGTT GGGTGCACGA GTGGGTTACA TCGAACTGGA TCTCAACAGC GGTAAGATCC

 3961 TTGAGAGTTT TCGCCCCGAA GAACGTTTTC CAATGATGAG CACTTTTAAA GTTCTGCTAT

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 4381 AACTACTTAC TCTAGCTTCC CGGCAACAAT TAATAGACTG GATGGAGGCG GATAAAGTTG

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