LOCUS pCSGW 9662 bp DNA circular 18-Feb-2019

SOURCE

 ORGANISM

COMMENT This file was created by DNADynamo

COMMENT www.bluetractorsoftware.co.uk

FEATURES Location/Qualifiers

 misc\_feature 4232..4254

 /label="Found - DNA 1"

 /note="Found - DNA 1"

 misc\_feature 4222..4456

 /label="3'deltaLTR"

 /note="3'deltaLTR"

 misc\_feature 612..632

 /label="Found - DNA 3\*1"

 /note="Found - DNA 3"

 misc\_feature 1..635

 /label="5'LTR"

 /note="5'LTR"

 misc\_feature 4433..4453

 /label="Found - DNA 2"

 /note="Found - DNA 2"

 Bacterial Selection 5392..6253

 /label="Bacterial Selection Ampicillin"

 /note="Amp"

 Vector Type -1..-1

 /label="Vector Type Not Defined"

 /note="Not Defined"

 Catagory 864..1001

 /label="Catagory pack "

 /note="pack "

 Catagory 2017..2196

 /label="Catagory PPT"

 /note="PPT"

 Promoter 2229..2722

 /label="Promoter SFFV"

 /note="SFFV"

 Insert 2744..3464

 /label="Insert GFP"

 /note="GFP"

 WPRE 3523..4114

 /label="WPRE Value"

 /note="WPRE"

 LTR 1..635

 /label="LTR Value"

 /note="LTR"

 LTR 4222..4456

 /label="LTR Value"

ORIGIN

 1 tggaagggct aattcactcc caaagaagac aagatatcct tgatctgtgg atctaccaca

 61 cacaaggcta cttccctgat tagcagaact acacaccagg gccaggggtc agatatccac

 121 tgacctttgg atggtgctac aagctagtac cagttgagcc agataaggta gaagaggcca

 181 ataaaggaga gaacaccagc ttgttacacc ctgtgagcct gcatgggatg gatgacccgg

 241 agagagaagt gttagagtgg aggtttgaca gccgcctagc atttcatcac gtggcccgag

 301 agctgcatcc ggagtacttc aagaactgct gatatcgagc ttgctacaag ggactttccg

 361 ctggggactt tccagggagg cgtggcctgg gcgggactgg ggagtggcga gccctcagat

 421 cctgcatata agcagctgct ttttgcctgt actgggtctc tctggttaga ccagatctga

 481 gcctgggagc tctctggcta actagggaac ccactgctta agcctcaata aagcttgcct

 541 tgagtgcttc aagtagtgtg tgcccgtctg ttgtgtgact ctggtaacta gagatccctc

 601 agaccctttt agtcagtgtg gaaaatctct agcagtggcg cccgaacagg gacttgaaag

 661 cgaaagggaa accagaggag ctctctcgac gcaggactcg gcttgctgaa gcgcgcacgg

 721 caagaggcga ggggcggcga ctggtgagta cgccaaaaat tttgactagc ggaggctaga

 781 aggagagaga tgggtgcgag agcgtcagta ttaagcgggg gagaattaga tcgcgatggg

 841 aaaaaattcg gttaaggcca gggggaaaga aaaaatataa attaaaacat atagtatggg

 901 caagcaggga gctagaacga ttcgcagtta atcctggcct gttagaaaca tcagaaggct

 961 gtagacaaat actgggacag ctacaaccat cccttcagac aggatcagaa gaacttagat

 1021 cattatataa tacagtagca accctctatt gtgtgcatca aaggatagag ataaaagaca

 1081 ccaaggaagc tttagacaag atagaggaag agcaaaacaa aagtaagacc accgcacagc

 1141 aagcggccgc tgatcttcag acctggacga tatatatgag ggacaattgg agaagtgaat

 1201 tatataaata taaagtagta aaaattgaac cattaggagt agcacccacc aaggcaaaga

 1261 gaagagtggt gcagagagaa aaaagagcag tgggaatagg agctttgttc cttgggttct

 1321 tgggagcagc aggaagcact atgggcgcag cgtcaatgac gctgacggta caggccagac

 1381 aattattgtc tggtatagtg cagcagcaga acaatttgct gagggctatt gaggcgcaac

 1441 agcatctgtt gcaactcaca gtctggggca tcaagcagct ccaggcaaga atcctggctg

 1501 tggaaagata cctaaaggat caacagctcc tggggatttg gggttgctct ggaaaactca

 1561 tttgcaccac tgctgtgcct tggaatgcta gttggagtaa taaatctctg gaacagattt

 1621 ggaatcacac gacctggatg gagtgggaca gagaaattaa caattacaca agcttaatac

 1681 actccttaat tgaagaatcg caaaaccagc aagaaaagaa tgaacaagaa ttattggaat

 1741 tagataaatg ggcaagtttg tggaattggt ttaacataac aaattggctg tggtatataa

 1801 aattattcat aatgatagta ggaggcttgg taggtttaag aatagttttt gctgtacttt

 1861 ctatagtgaa tagagttagg cagggatatt caccattatc gtttcagacc cacctcccaa

 1921 ccccgagggg acccgacagg cccgaaggaa tagaagaaga aggtggagag agagacagag

 1981 acagatccat tcgattagtg aacggatctc gacggtcgcc aaatggcagt attcatccac

 2041 aattttaaaa gaaaaggggg gattgggggg tacagtgcag gggaaagaat agtagacata

 2101 atagcaacag acatacaaac taaagaatta caaaaacaaa ttacaaaaat tcaaaatttt

 2161 cgggtttatt acagggacag cagagatcca gtttggatcg ataagcttga tatcgaattc

 2221 ctgcagcccc gataaaataa aagattttat ttagtctcca gaaaaagggg ggaatgaaag

 2281 accccacctg taggttatgg caagctagct gcagtaacgc cattattgca aggcatggaa

 2341 aaataccaaa ccaagaatag agaagttcag atcaagggcg ggtacatgaa aatagctaac

 2401 gtagggccaa acaggatatc tgcggtgagc agtttcggcc ccggcccggg gccaagaaca

 2461 gatggtcacc gcagtttcgg ccccggcccg aggccaagag cagatggtcc ccagatatgg

 2521 cccaaccctc agcagtttct taagacccat cagatgtttc caggctcccc caaggacctg

 2581 aaatgaccct gcgccttatt tgaattaacc aatcagcctg cttctcgctt ctgttcgcgc

 2641 gcttctgctt cccgagctct ataaaagagc tcacaacccc tcactcggcg cgccagtcct

 2701 ccgacagact gagtcgcccg ggggggatcc accggtcgcc accatggtga gcaagggcga

 2761 ggagctgttc accggggtgg tgcccatcct ggtcgagctg gacggcgacg taaacggcca

 2821 caagttcagc gtgtccggcg agggcgaggg cgatgccacc tacggcaagc tgaccctgaa

 2881 gttcatctgc accaccggca agctgcccgt gccctggccc accctcgtga ccaccctgac

 2941 ctacggcgtg cagtgcttca gccgctaccc cgaccacatg aagcagcacg acttcttcaa

 3001 gtccgccatg cccgaaggct acgtccagga gcgcaccatc ttcttcaagg acgacggcaa

 3061 ctacaagacc cgcgccgagg tgaagttcga gggcgacacc ctggtgaacc gcatcgagct

 3121 gaagggcatc gacttcaagg aggacggcaa catcctgggg cacaagctgg agtacaacta

 3181 caacagccac aacgtctata tcatggccga caagcagaag aacggcatca aggtgaactt

 3241 caagatccgc cacaacatcg aggacggcag cgtgcagctc gccgaccact accagcagaa

 3301 cacccccatc ggcgacggcc ccgtgctgct gcccgacaac cactacctga gcacccagtc

 3361 cgccctgagc aaagacccca acgagaagcg cgatcacatg gtcctgctgg agttcgtgac

 3421 cgccgccggg atcactctcg gcatggacga gctgtacaag taaagcggcc gcgactctag

 3481 agtcgacctg caggcatgca agcttgatat caagcttatc gataatcaac ctctggatta

 3541 caaaatttgt gaaagattga ctggtattct taactatgtt gctcctttta cgctatgtgg

 3601 atacgctgct ttaatgcctt tgtatcatgc tattgcttcc cgtatggctt tcattttctc

 3661 ctccttgtat aaatcctggt tgctgtctct ttatgaggag ttgtggcccg ttgtcaggca

 3721 acgtggcgtg gtgtgcactg tgtttgctga cgcaaccccc actggttggg gcattgccac

 3781 cacctgtcag ctcctttccg ggactttcgc tttccccctc cctattgcca cggcggaact

 3841 catcgccgcc tgccttgccc gctgctggac aggggctcgg ctgttgggca ctgacaattc

 3901 cgtggtgttg tcggggaaat catcgtcctt tccttggctg ctcgcctgtg ttgccacctg

 3961 gattctgcgc gggacgtcct tctgctacgt cccttcggcc ctcaatccag cggaccttcc

 4021 ttcccgcggc ctgctgccgg ctctgcggcc tcttccgcgt cttcgccttc gccctcagac

 4081 gagtcggatc tccctttggg ccgcctcccc gcatcgatac cgtcgacctc gagggaatta

 4141 attcgagctc ggtaccttta agaccaatga cttacaaggc agctgtagat cttagccact

 4201 ttttaaaaga aaagggggga ctggaagggc taattcactc ccaacgaaga caagatctgc

 4261 tttttgcttg tactgggtct ctctggttag accagatctg agcctgggag ctctctggct

 4321 aactagggaa cccactgctt aagcctcaat aaagcttgcc ttgagtgctt caagtagtgt

 4381 gtgcccgtct gttgtgtgac tctggtaact agagatccct cagacccttt tagtcagtgt

 4441 ggaaaatctc tagcagcatc tagaattaat tccgtgtatt ctatagtgtc acctaaatcg

 4501 tatgtgtatg atacataagg ttatgtatta attgtagccg cgttctaacg acaatatgta

 4561 caagcctaat tgtgtagcat ctggcttact gaagcagacc ctatcatctc tctcgtaaac

 4621 tgccgtcaga gtcggtttgg ttggacgaac cttctgagtt tctggtaacg ccgtcccgca

 4681 cccggaaatg gtcagcgaac caatcagcag ggtcatcgct agccagatcc tctacgccgg

 4741 acgcatcgtg gccggcatca ccggcgccac aggtgcggtt gctggcgcct atatcgccga

 4801 catcaccgat ggggaagatc gggctcgcca cttcgggctc atgagcgctt gtttcggcgt

 4861 gggtatggtg gcaggccccg tggccggggg actgttgggc gccatctcct tgcatgcacc

 4921 attccttgcg gcggcggtgc tcaacggcct caacctacta ctgggctgct tcctaatgca

 4981 ggagtcgcat aagggagagc gtcgaatggt gcactctcag tacaatctag ctctgatgcc

 5041 gcatagttaa gccagccccg acacccgcca acacccgctg acgcgccctg acgggcttgt

 5101 ctgctcccgg catccgctta cagacaagct gtgaccgtct ccgggagctg catgtgtcag

 5161 aggttttcac cgtcatcacc gaaacgcgcg agacgaaagg gcctcgtgat acgcctattt

 5221 ttataggtta atgtcatgat aataatggtt tcttagacgt caggtggcac ttttcgggga

 5281 aatgtgcgcg gaacccctat ttgtttattt ttctaaatac attcaaatat gtatccgctc

 5341 atgagacaat aaccctgata aatgcttcaa taatattgaa aaaggaagag tatgagtatt

 5401 caacatttcc gtgtcgccct tattcccttt tttgcggcat tttgccttcc tgtttttgct

 5461 cacccagaaa cgctggtgaa agtaaaagat gctgaagatc agttgggtgc acgagtgggt

 5521 tacatcgaac tggatctcaa cagcggtaag atccttgaga gttttcgccc cgaagaacgt

 5581 tttccaatga tgagcacttt taaagttctg ctatgtggcg cggtattatc ccgtattgac

 5641 gccgggcaag agcaactcgg tcgccgcata cactattctc agaatgactt ggttgagtac

 5701 tcaccagtca cagaaaagca tcttacggat ggcatgacag taagagaatt atgcagtgct

 5761 gccataacca tgagtgataa cactgcggcc aacttacttc tgacaacgat cggaggaccg

 5821 aaggagctaa ccgctttttt gcacaacatg ggggatcatg taactcgcct tgatcgttgg

 5881 gaaccggagc tgaatgaagc cataccaaac gacgagcgtg acaccacgat gcctgtagca

 5941 atggcaacaa cgttgcgcaa actattaact ggcgaactac ttactctagc ttcccggcaa

 6001 caattaatag actggatgga ggcggataaa gttgcaggac cacttctgcg ctcggccctt

 6061 ccggctggct ggtttattgc tgataaatct ggagccggtg agcgtgggtc tcgcggtatc

 6121 attgcagcac tggggccaga tggtaagccc tcccgtatcg tagttatcta cacgacgggg

 6181 agtcaggcaa ctatggatga acgaaataga cagatcgctg agataggtgc ctcactgatt

 6241 aagcattggt aactgtcaga ccaagtttac tcatatatac tttagattga tttaaaactt

 6301 catttttaat ttaaaaggat ctaggtgaag atcctttttg ataatctcat gaccaaaatc

 6361 ccttaacgtg agttttcgtt ccactgagcg tcagaccccg tagaaaagat caaaggatct

 6421 tcttgagatc ctttttttct gcgcgtaatc tgctgcttgc aaacaaaaaa accaccgcta

 6481 ccagcggtgg tttgtttgcc ggatcaagag ctaccaactc tttttccgaa ggtaactggc

 6541 ttcagcagag cgcagatacc aaatactgtc cttctagtgt agccgtagtt aggccaccac

 6601 ttcaagaact ctgtagcacc gcctacatac ctcgctctgc taatcctgtt accagtggct

 6661 gctgccagtg gcgataagtc gtgtcttacc gggttggact caagacgata gttaccggat

 6721 aaggcgcagc ggtcgggctg aacggggggt tcgtgcacac agcccagctt ggagcgaacg

 6781 acctacaccg aactgagata cctacagcgt gagctatgag aaagcgccac gcttcccgaa

 6841 gggagaaagg cggacaggta tccggtaagc ggcagggtcg gaacaggaga gcgcacgagg

 6901 gagcttccag ggggaaacgc ctggtatctt tatagtcctg tcgggtttcg ccacctctga

 6961 cttgagcgtc gatttttgtg atgctcgtca ggggggcgga gcctatggaa aaacgccagc

 7021 aacgcggcct ttttacggtt cctggccttt tgctggcctt ttgctcacat gttctttcct

 7081 gcgttatccc ctgattctgt ggataaccgt attaccgcct ttgagtgagc tgataccgct

 7141 cgccgcagcc gaacgaccga gcgcagcgag tcagtgagcg aggaagcgga agagcgccca

 7201 atacgcaaac cgcctctccc cgcgcgttgg ccgattcatt aatgcagctg tggaatgtgt

 7261 gtcagttagg gtgtggaaag tccccaggct ccccagcagg cagaagtatg caaagcatgc

 7321 atctcaatta gtcagcaacc aggtgtggaa agtccccagg ctccccagca ggcagaagta

 7381 tgcaaagcat gcatctcaat tagtcagcaa ccatagtccc gcccctaact ccgcccatcc

 7441 cgcccctaac tccgcccagt tccgcccatt ctccgcccca tggctgacta atttttttta

 7501 tttatgcaga ggccgaggcc gcctcggcct ctgagctatt ccagaagtag tgaggaggct

 7561 tttttggagg cctaggcttt tgcaaaaagc ttggacacaa gacaggcttg cgagatatgt

 7621 ttgagaatac cactttatcc cgcgtcaggg agaggcagtg cgtaaaaaga cgcggactca

 7681 tgtgaaatac tggtttttag tgcgccagat ctctataatc tcgcgcaacc tattttcccc

 7741 tcgaacactt tttaagccgt agataaacag gctgggacac ttcacatgag cgaaaaatac

 7801 atcgtcacct gggacatgtt gcagatccat gcacgtaaac tcgcaagccg actgatgcct

 7861 tctgaacaat ggaaaggcat tattgccgta agccgtggcg gtctgtaccg ggtgcgttac

 7921 tggcgcgtga actgggtatt cgtcatgtcg ataccgtttg tatttccagc tacgatcacg

 7981 acaaccagcg cgagcttaaa gtgctgaaac gcgcagaagg cgatggcgaa ggcttcatcg

 8041 ttattgatga cctggtggat accggtggta ctgcggttgc gattcgtgaa atgtatccaa

 8101 aagcgcactt tgtcaccatc ttcgcaaaac cggctggtcg tccgctggtt gatgactatg

 8161 ttgttgatat cccgcaagat acctggattg aacagccgtg ggatatgggc gtcgtattcg

 8221 tcccgccaat ctccggtcgc taatcttttc aacgcctggc actgccgggc gttgttcttt

 8281 ttaacttcag gcgggttaca atagtttcca gtaagtattc tggaggctgc atccatgaca

 8341 caggcaaacc tgagcgaaac cctgttcaaa ccccgcttta aacatcctga aacctcgacg

 8401 ctagtccgcc gctttaatca cggcgcacaa ccgcctgtgc agtcggccct tgatggtaaa

 8461 accatccctc actggtatcg catgattaac cgtctgatgt ggatctggcg cggcattgac

 8521 ccacgcgaaa tcctcgacgt ccaggcacgt attgtgatga gcgatgccga acgtaccgac

 8581 gatgatttat acgatacggt gattggctac cgtggcggca actggattta tgagtgggcc

 8641 ccggatcttt gtgaaggaac cttacttctg tggtgtgaca taattggaca aactacctac

 8701 agagatttaa agctctaagg taaatataaa atttttaagt gtataatgtg ttaaactact

 8761 gattctaatt gtttgtgtat tttagattcc aacctatgga actgatgaat gggagcagtg

 8821 gtggaatgcc tttaatgagg aaaacctgtt ttgctcagaa gaaatgccat ctagtgatga

 8881 tgaggctact gctgactctc aacattctac tcctccaaaa aagaagagaa aggtagaaga

 8941 ccccaaggac tttccttcag aattgctaag ttttttgagt catgctgtgt ttagtaatag

 9001 aactcttgct tgctttgcta tttacaccac aaaggaaaaa gctgcactgc tatacaagaa

 9061 aattatggaa aaatattctg taacctttat aagtaggcat aacagttata atcataacat

 9121 actgtttttt cttactccac acaggcatag agtgtctgct attaataact atgctcaaaa

 9181 attgtgtacc tttagctttt taatttgtaa aggggttaat aaggaatatt tgatgtatag

 9241 tgccttgact agagatcata atcagccata ccacatttgt agaggtttta cttgctttaa

 9301 aaaacctccc acacctcccc ctgaacctga aacataaaat gaatgcaatt gttgttgtta

 9361 acttgtttat tgcagcttat aatggttaca aataaagcaa tagcatcaca aatttcacaa

 9421 ataaagcatt tttttcactg cattctagtt gtggtttgtc caaactcatc aatgtatctt

 9481 atcatgtctg gatcaactgg ataactcaag ctaaccaaaa tcatcccaaa cttcccaccc

 9541 cataccctat taccactgcc aattacctag tggtttcatt tactctaaac ctgtgattcc

 9601 tctgaattat tttcatttta aagaaattgt atttgttaaa tatgtactac aaacttagta

 9661 gt

//