

LOCUS MinW H2B-mRFP swappable 8231 bp DNA circular

DEFINITION Ligation of MinW (EcoRI/BglII) (This sequence has been entered manua

lly.

Francesco Marangoni

Fragment of MinW, was cut with EcoRI at pos

ition 1429), pHIV H2B-mRFP\* (BglII/MfeI) (This sequence has been ent

ered manually.

Francesco Marangoni

Amplify and cut BglII - MfeI

Cro

pped from pHIV H2B-mRFP to fragment (4414-5528).

Fragment of pHIV H2

B-mRFP\*, was cut with BglII at position 3)

FEATURES Location/Qualifiers

misc\_feature 7536..8220

/gene="mRFP1"

misc\_feature 7150..7524

/gene="H2B"

BASE COUNT 1845 a 2333 c 2200 g 1853 t

ORIGIN

1 ccgccccccc cccctaacgt tactggccga agccgcttgg aataaggccg gtgtgcgttt

61 gtctatatgt tattttccac catattgccg tcttttggca atgtgagggc ccggaaacct

121 ggccctgtct tcttgacgag cattcctagg ggtctttccc ctctcgccaa aggaatgcaa

181 ggtctgttga atgtcgtgaa ggaagcagtt cctctggaag cttcttgaag acaaacaacg

241 tctgtagcga ccctttgcag gcagcggaac cccccacctg gcgacaggtg cctctgcggc

301 caaaagccac gtgtataaga tacacctgca aaggcggcac aaccccagtg ccacgttgtg

361 agttggatag ttgtggaaag agtcaaatgg ctctcctcaa gcgtattcaa caaggggctg

421 aaggatgccc agaaggtacc ccattgtatg ggatctgatc tggggcctcg gtgcacatgc

481 tttacatgtg tttagtcgag gttaaaaaac gtctaggccc cccgaaccac ggggacgtgg

541 ttttcctttg aaaaacacga tgataatatg gccacaacca tgggggcagg tgccaccggc

601 cgcgctatgg acgggccgcg cctgctgctg ttgctgcttc tgggggtgtc ccttggaggt

661 gccaaggagg catgccccac aggcctgtac acacacagcg gtgagtgctg caaagcctgc

721 aacctgggcg agggtgtggc ccagccttgt ggagccaacc agaccgtgtg tgagccctgc

781 ctggacagcg tgacgttctc cgacgtggtg agcgcgaccg agccgtgcaa gccgtgcacc

841 gagtgcgtgg ggctccagag catgtcggcg ccgtgcgtgg aggccgacga cgccgtgtgc

901 cgctgcgcct acggctacta ccaggatgag acgactgggc gctgcgaggc gtgccgcgtg

961 tgcgaggcgg gctcgggcct cgtgttctcc tgccaggaca agcagaacac cgtgtgcgag

1021 gagtgccccg acggcacgta ttccgacgag gccaaccacg tggacccgtg cctgccctgc

1081 accgtgtgcg aggacaccga gcgccagctc cgcgagtgca cacgctgggc cgacgccgag

1141 tgcgaggaga tccctggccg ttggattaca cggtccacac ccccagaggg ctcggacagc

1201 acagccccca gcacccagga gcctgaggca cctccagaac aagacctcat agccagcacg

1261 gtggcaggtg tggtgaccac agtgatgggc agctcccagc ccgtggtgac ccgaggcacc

1321 accgacaacc tcatccctgt ctattgctcc atcctggctg ctgtggttgt gggccttgtg

1381 gcctacatag ccttcaagag gtgatagatg gatcctaatc aacctctgga ttacaaaatt

1441 tgtgaaagat tgactggtat tcttaactat gttgctcctt ttacgctatg tggatacgct

1501 gctttaatgc ctttgtatca tgctattgct tcccgtatgg ctttcatttt ctcctccttg

1561 tataaatcct ggttgctgtc tctttatgag gagttgtggc ccgttgtcag gcaacgtggc

1621 gtggtgtgca ctgtgtttgc tgacgcaacc cccactggtt ggggcattgc caccacctgt

1681 cagctccttt ccgggacttt cgctttcccc ctccctattg ccacggcgga actcatcgcc

1741 gcctgccttg cccgctgctg gacaggggct cggctgttgg gcactgacaa ttccgtggtg

1801 ttgtcgggga aatcatcgtc ctttccttgg ctgctcgcct gtgttgccac ctggattctg

1861 cgcgggacgt ccttctgcta cgtcccttcg gccctcaatc cagcggacct tccttcccgc

1921 ggcctgctgc cggctctgcg gcctcttccg cgtcttcgcc ttcgccctca gacgagtcgg

1981 atctcccttt gggccgcctc cccgcctgtc gacctgcagc caagcttatc gataaaataa

2041 aagattttat ttagtctcca gaaaaagggg ggaatgaaag accccacctg taggtttggc

2101 aagctagctt aagtaacgcc attttgcaag gcatggaaaa tacataactg agaatagaga

2161 agttcagatc aaggttagga acagagagac agcagaatat gggccaaaca ggatatctgt

2221 ggtaagcagt tcctgccccg gctcagggcc aagaacagat ggtccccaga tgcggtcccg

2281 ccctcagcag tttctagaga accatcagat gtttccaggg tgccccaagg acctgaaatg

2341 accctgtgcc ttatttgaac taaccaatca gttcgcttct cgcttctgtt cgcgcgcttc

2401 tgctccccga gctcaataaa agagcccaca acccctcact cggcgcgcca gtcctccgat

2461 agactgcgtc gcccgggtac ccgtgtatcc aataaaccct cttgcagttg catccgactt

2521 gtggtctcgc tgttccttgg gagggtctcc tctgagtgat tgactacccg tcagcggggg

2581 tctttcatgg gtaacagttt cttgaagttg gagaacaaca ttctgagggt aggagtcgaa

2641 tattaagtaa tcctgactca attagccact gttttgaatc cacatactcc aatactcctg

2701 aaatagttca ttatggacag cgcagaagag ctggggagaa ttaattcgta atcatggtca

2761 tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga

2821 agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg

2881 cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc

2941 caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac

3001 tcgctgcgct cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata

3061 cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa

3121 aaggccagga accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgcccccct

3181 gacgagcatc acaaaaatcg acgctcaagt cagaggtggc gaaacccgac aggactataa

3241 agataccagg cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc gaccctgccg

3301 cttaccggat acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcatagctca

3361 cgctgtaggt atctcagttc ggtgtaggtc gttcgctcca agctgggctg tgtgcacgaa

3421 ccccccgttc agcccgaccg ctgcgcctta tccggtaact atcgtcttga gtccaacccg

3481 gtaagacacg acttatcgcc actggcagca gccactggta acaggattag cagagcgagg

3541 tatgtaggcg gtgctacaga gttcttgaag tggtggccta actacggcta cactagaagg

3601 acagtatttg gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc

3661 tcttgatccg gcaaacaaac caccgctggt agcggtggtt tttttgtttg caagcagcag

3721 attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac

3781 gctcagtgga acgaaaactc acgttaaggg attttggtca tgagattatc aaaaaggatc

3841 ttcacctaga tccttttaaa ttaaaaatga agttttaaat caatctaaag tatatatgag

3901 taaacttggt ctgacagtta ccaatgctta atcagtgagg cacctatctc agcgatctgt

3961 ctatttcgtt catccatagt tgcctgactc cccgtcgtgt agataactac gatacgggag

4021 ggcttaccat ctggccccag tgctgcaatg ataccgcgag acccacgctc accggctcca

4081 gatttatcag caataaacca gccagccgga agggccgagc gcagaagtgg tcctgcaact

4141 ttatccgcct ccatccagtc tattaattgt tgccgggaag ctagagtaag tagttcgcca

4201 gttaatagtt tgcgcaacgt tgttgccatt gctacaggca tcgtggtgtc acgctcgtcg

4261 tttggtatgg cttcattcag ctccggttcc caacgatcaa ggcgagttac atgatccccc

4321 atgttgtgca aaaaagcggt tagctccttc ggtcctccga tcgttgtcag aagtaagttg

4381 gccgcagtgt tatcactcat ggttatggca gcactgcata attctcttac tgtcatgcca

4441 tccgtaagat gcttttctgt gactggtgag tactcaacca agtcattctg agaatagtgt

4501 atgcggcgac cgagttgctc ttgcccggcg tcaatacggg ataataccgc gccacatagc

4561 agaactttaa aagtgctcat cattggaaaa cgttcttcgg ggcgaaaact ctcaaggatc

4621 ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg cacccaactg atcttcagca

4681 tcttttactt tcaccagcgt ttctgggtga gcaaaaacag gaaggcaaaa tgccgcaaaa

4741 aagggaataa gggcgacacg gaaatgttga atactcatac tcttcctttt tcaatattat

4801 tgaagcattt atcagggtta ttgtctcatg agcggataca tatttgaatg tatttagaaa

4861 aataaacaaa taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa

4921 accattatta tcatgacatt aacctataaa aataggcgta tcacgaggcc ctttcgtctc

4981 gcgcgtttcg gtgatgacgg tgaaaacctc tgacacatgc agctcccgga gacggtcaca

5041 gcttgtctgt aagcggatgc cgggagcaga caagcccgtc agggcgcgtc agcgggtgtt

5101 ggcgggtgtc ggggctggct taactatgcg gcatcagagc agattgtact gagagtgcac

5161 catatgcggt gtgaaatacc gcacagatgc gtaaggagaa aataccgcat caggcgccat

5221 tcgccattca ggctgcgcaa ctgttgggaa gggcgatcgg tgcgggcctc ttcgctatta

5281 cgccagctgg cgaaaggggg atgtgctgca aggcgattaa gttgggtaac gccagggttt

5341 tcccagtcac gacgttgtaa aacgacggcg caaggaatgg tgcatgcaag gagatggcgc

5401 ccaacagtcc cccggccacg gggcctgcca ccatacccac gccgaaacaa gcgctcatga

5461 gcccgaagtg gcgagcccga tcttccccat cggtgatgtc ggcgatatag gcgccagcaa

5521 ccgcacctgt ggcgccggtg atgccggcca cgatgcgtcc ggcgtagagg cgattagtcc

5581 aatttgttaa agacaggata tcagtggtcc aggctctagt tttgactcaa caatatcacc

5641 agctgaagcc tatagagtac gagccataga taaaataaaa gattttattt agtctccaga

5701 aaaagggggg aatgaaagac cccacctgta ggtttggcaa gctagcttaa gtaacgccat

5761 tttgcaaggc atggaaaata cataactgag aatagagaag ttcagatcaa ggttaggaac

5821 agagagacag cagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccggc

5881 tcagggccaa gaacagatgg tccccagatg cggtcccgcc ctcagcagtt tctagagaac

5941 catcagatgt ttccagggtg ccccaaggac ctgaaatgac cctgtgcctt atttgaacta

6001 accaatcagt tcgcttctcg cttctgttcg cgcgcttctg ctccccgagc tcaataaaag

6061 agcccacaac ccctcactcg gcgcgccagt cctccgatag actgcgtcgc ccgggtaccc

6121 gtattcccaa taaagcctct tgctgtttgc atccgaatcg tggactcgct gatccttggg

6181 agggtctcct cagattgatt gactgcccac ctcgggggtc tttcatttgg aggttccacc

6241 gagatttgga gacccctgcc cagggaccac cgaccccccc gccgggaggt aagctggcca

6301 gcggtcgttt cgtgtctgtc tctgtctttg tgcgtgtttg tgccggcatc taatgtttgc

6361 gcctgcgtct gtactagtta gctaactagc tctgtatctg gcggacccgt ggtggaactg

6421 acgagttctg aacacccggc cgcaaccctg ggagacgtcc cagggacttt gggggccgtt

6481 tttgtggccc gacctgagga agggagtcga tgtggaatcc gaccccgtca ggatatgtgg

6541 ttctggtagg agacgagaac ctaaaacagt tcccgcctcc gtctgaattt ttgctttcgg

6601 tttggaaccg aagccgcgcg tcttgtctgc tgcagcgctg cagcatcgtt ctgtgttgtc

6661 tctgtctgac tgtgtttctg tatttgtctg aaaattaggg ccagactgtt accactccct

6721 taagtttgac cttaggtcac tggaaagatg tcgagcggat cgctcacaac cagtcggtag

6781 atgtcaagaa gagacgttgg gttaccttct gctctgcaga atggccaacc tttaacgtcg

6841 gatggccgcg agacggcacc tttaaccgag acctcatcac ccaggttaag atcaaggtct

6901 tttcacctgg cccgcatgga cacccagacc aggtccccta catcgtgacc tgggaagcct

6961 tggcttttga cccccctccc tgggtcaagc cctttgtaca ccctaagcct ccgcctcctc

7021 ttcctccatc cgccccgtct ctcccccttg aacctcctcg ttcgaccccg cctcgatcct

7081 ccctttatcc agccctcact ccttctctag gcgccggaat tagatctcac catggccaca

7141 accatgtcac cagagccagc gaagtctgct cccgccccga aaaagggctc caagaaggcg

7201 gtgactaagg cgcagaagaa aggcggcaag aagcgcaagc gcagccgcaa ggagagctat

7261 tccatctatg tgtacaaggt tctgaagcag gtccaccctg acaccggcat ttcgtccaag

7321 gccatgggca tcatgaattc gtttgtgaac gacattttcg agcgcatcgc aggtgaggct

7381 tcccgcctgg cgcattacaa caagcgctcg accatcacct ccagggagat ccagacggcc

7441 gtgcgcctgc tgctgcctgg ggagttggcc aagcacgccg tgtccgaggg tactaaggcc

7501 atcaccaagt acaccagcgc taaggatcca ccggtcgcca ccatggcctc ctccgaggac

7561 gtcatcaagg agttcatgcg cttcaaggtg cgcatggagg gctccgtgaa cggccacgag

7621 ttcgagatcg agggcgaggg cgagggccgc ccctacgagg gcacccagac cgccaagctg

7681 aaggtgacca agggcggccc cctgcccttc gcctgggaca tcctgtcccc tcagttccag

7741 tacggctcca aggcctacgt gaagcacccc gccgacatcc ccgactactt gaagctgtcc

7801 ttccccgagg gcttcaagtg ggagcgcgtg atgaacttcg aggacggcgg cgtggtgacc

7861 gtgacccagg actcctccct gcaggacggc gagttcatct acaaggtgaa gctgcgcggc

7921 accaacttcc cctccgacgg ccccgtaatg cagaagaaga ccatgggctg ggaggcctcc

7981 accgagcgga tgtaccccga ggacggcgcc ctgaagggcg agatcaagat gaggctgaag

8041 ctgaaggacg gcggccacta cgacgccgag gtcaagacca cctacatggc caagaagccc

8101 gtgcagctgc ccggcgccta caagaccgac atcaagctgg acatcacctc ccacaacgag

8161 gactacacca tcgtggaaca gtacgagcgc gccgagggcc gccactccac cggcgcctaa

8221 ctcgagcaat t

//