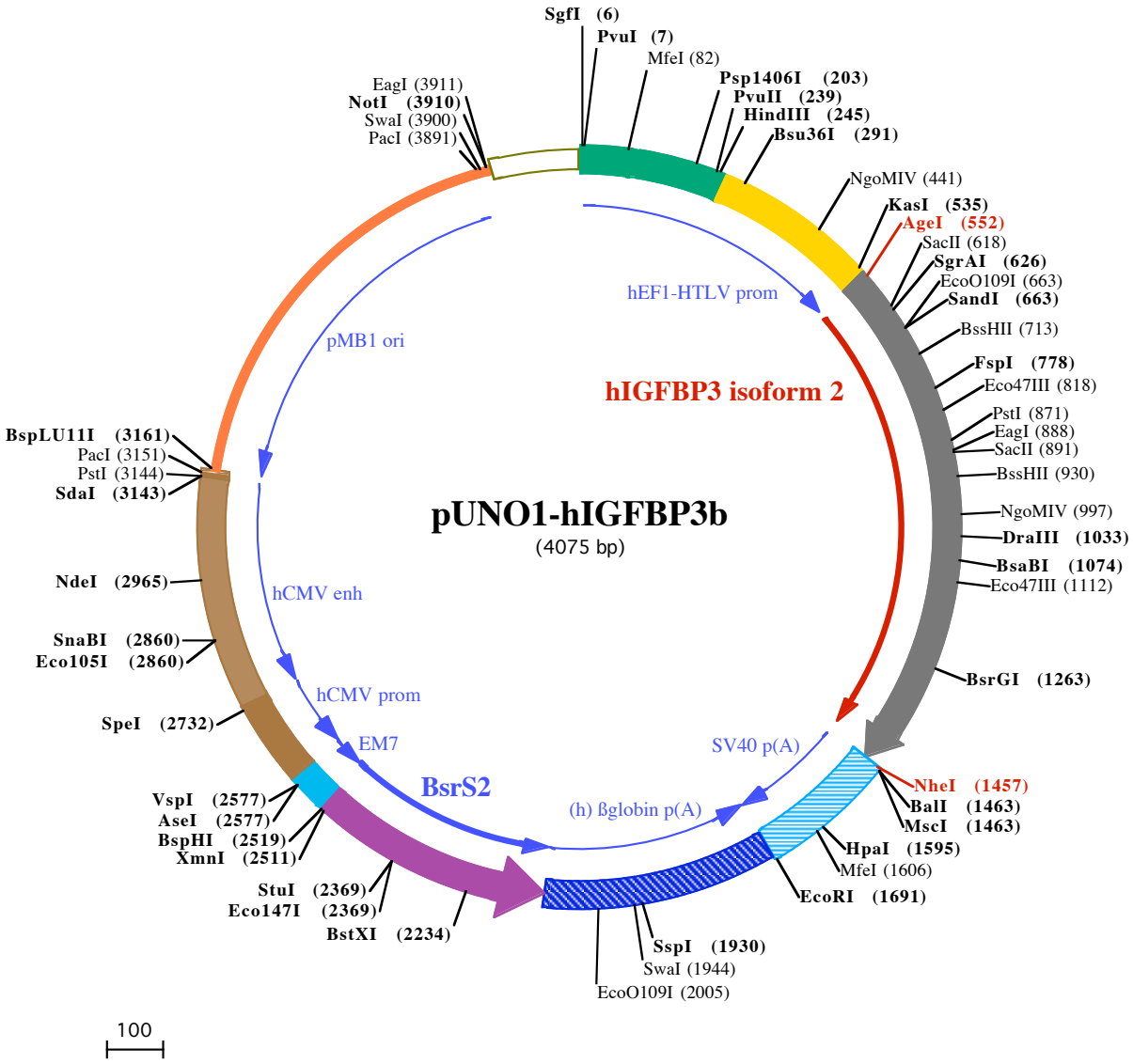
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(4075 bp)
hIGFBP3 isoform 2
hEF1-HTLV prom
pMB1 ori
hCMV enh
hCMV prom
EM7
BsrS2
(h) ßglobin p(A)
SV40 p(A)
SgfI (6)
PvuI (7)
MfeI (82)
Psp1406I (203)
PvuII (239)
HindIII (245)
Bsu36I (291)
NgoMIV (441)
KasI (535)
AgeI (552)
SacII (618)
SgrAI (626)
EcoO109I (663)
SandI (663)
BssHII (713)
FspI (778)
Eco47III (818)
PstI (871)
EagI (888)
SacII (891)
BssHII (930)
NgoMIV (997)
DraIII (1033)
BsaBI (1074)
Eco47III (1112)
BsrGI (1263)
NheI (1457)
BalI (1463)
MscI (1463)
HpaI (1595)
MfeI (1606)
EcoRI (1691)
SspI (1930)
SwaI (1944)
EcoO109I (2005)
BstXI (2234)
StuI (2369)
Eco147I (2369)
VspI (2577)
AseI (2577)
BspHI (2519)
XmnI (2511)
SpeI (2732)
SnaBI (2860)
Eco105I (2860)
NdeI (2965)
BspLU11I (3161)
PacI (3151)
PstI (3144)
SdaI (3143)
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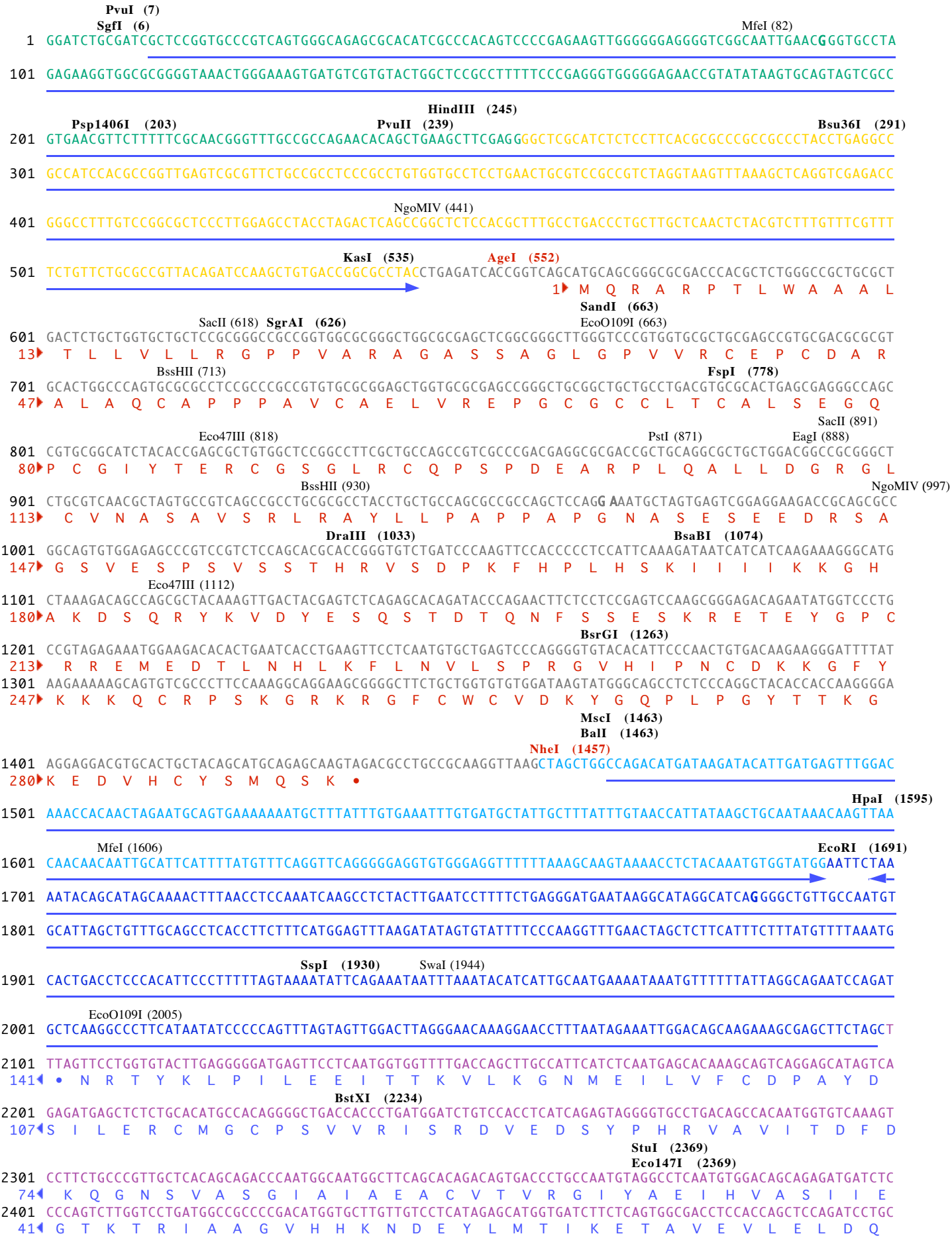
NotI (3910)
SwaI (3900)
PacI (3891)
100


PvuI (7)
SgfI (6)
MfeI (82)
1 GGATCTGCGATCGCTCCGGTGCCCGTCAGTGGGCAGAGCGCACATCGCCCACAGTCCCCGAGAAGTTGGGGGGAGGGGTCGGCAATTGAACGGGTGCCTA
101 GAGAAGGTGGCGCGGGGTAAACTGGGAAAGTGATGTCGTGTACTGGCTCCGCCTTTTTCCCGAGGGTGGGGGAGAACCGTATATAAGTGCAGTAGTCGCC
HindIII (245)
Psp1406I (203)
PvuII (239)
Bsu36I (291)
201 GTGAACGTTCTTTTTCGCAACGGGTTTGCCGCCAGAACACAGCTGAAGCTTCGAGGGGCTCGCATCTCTCCTTCACGCGCCCGCCGCCCTACCTGAGGCC
301 GCCATCCACGCCGGTTGAGTCGCGTTCTGCCGCCTCCCGCCTGTGGTGCCTCCTGAACTGCGTCCGCCGTCTAGGTAAGTTTAAAGCTCAGGTCGAGACC
NgoMIV (441)
401 GGGCCTTTGTCCGGCGCTCCCTTGGAGCCTACCTAGACTCAGCCGGCTCTCCACGCTTTGCCTGACCCTGCTTGCTCAACTCTACGTCTTTGTTTCGTTT
KasI (535)
AgeI (552)
501 TCTGTTCTGCGCCGTTACAGATCCAAGCTGTGACCGGCGCCTACCTGAGATCACCGGTCAGCATGCAGCGGGCGCGACCCACGCTCTGGGCCGCTGCGCT
1 M Q R A R P T L W A A A L
SandI (663)
SacII (618)
SgrAI (626)
EcoO109I (663)
601 GACTCTGCTGGTGCTGCTCCGCGGGCCGCCGGTGGCGCGGGCTGGCGCGAGCTCGGCGGGCTTGGGTCCCGTGGTGCGCTGCGAGCCGTGCGACGCGCGT
13 T L L V L L R G P P V A R A G A S S A G L G P V V R C E P C D A R
BssHII (713)
FspI (778)
701 GCACTGGCCCAGTGCGCGCCTCCGCCCGCCGTGTGCGCGGAGCTGGTGCGCGAGCCGGGCTGCGGCTGCTGCCTGACGTGCGCACTGAGCGAGGGCCAGC
47 A L A Q C A P P P A V C A E L V R E P G C G C C L T C A L S E G Q
SacII (891)
Eco47III (818)
PstI (871)
EagI (888)
801 CGTGCGGCATCTACACCGAGCGCTGTGGCTCCGGCCTTCGCTGCCAGCCGTCGCCCGACGAGGCGCGACCGCTGCAGGCGCTGCTGGACGGCCGCGGGCT
80 P C G I Y T E R C G S G L R C Q P S P D E A R P L Q A L L D G R G L
BssHII (930)
NgoMIV (997)
901 CTGCGTCAACGCTAGTGCCGTCAGCCGCCTGCGCGCCTACCTGCTGCCAGCGCCGCCAGCTCCAGGAAATGCTAGTGAGTCGGAGGAAGACCGCAGCGCC
113 C V N A S A V S R L R A Y L L P A P P A P G N A S E S E E D R S A
DraIII (1033)
BsaBI (1074)
1001 GGCAGTGTGGAGAGCCCGTCCGTCTCCAGCACGCACCGGGTGTCTGATCCCAAGTTCCACCCCCTCCATTCAAAGATAATCATCATCAAGAAAGGGCATG
147 G S V E S P S V S S T H R V S D P K F H P L H S K I I I I K K G H
Eco47III (1112)
1101 CTAAAGACAGCCAGCGCTACAAAGTTGACTACGAGTCTCAGAGCACAGATACCCAGAACTTCTCCTCCGAGTCCAAGCGGGAGACAGAATATGGTCCCTG
180 A K D S Q R Y K V D Y E S Q S T D T Q N F S S E S K R E T E Y G P C
BsrGI (1263)
1201 CCGTAGAGAAATGGAAGACACACTGAATCACCTGAAGTTCCTCAATGTGCTGAGTCCCAGGGGTGTACACATTCCCAACTGTGACAAGAAGGGATTTTAT
213 R R E M E D T L N H L K F L N V L S P R G V H I P N C D K K G F Y
1301 AAGAAAAAGCAGTGTCGCCCTTCCAAAGGCAGGAAGCGGGGCTTCTGCTGGTGTGTGGATAAGTATGGGCAGCCTCTCCCAGGCTACACCACCAAGGGGA
247 K K K Q C R P S K G R K R G F C W C V D K Y G Q P L P G Y T T K G
MscI (1463)
BalI (1463)
NheI (1457)
1401 AGGAGGACGTGCACTGCTACAGCATGCAGAGCAAGTAGACGCCTGCCGCAAGGTTAAGCTAGCTGGCCAGACATGATAAGATACATTGATGAGTTTGGAC
280 K E D V H C Y S M Q S K •
HpaI (1595)
1501 AAACCACAACTAGAATGCAGTGAAAAAAATGCTTTATTTGTGAAATTTGTGATGCTATTGCTTTATTTGTAACCATTATAAGCTGCAATAAACAAGTTAA
MfeI (1606)
EcoRI (1691)
1601 CAACAACAATTGCATTCATTTTATGTTTCAGGTTCAGGGGGAGGTGTGGGAGGTTTTTTAAAGCAAGTAAAACCTCTACAAATGTGGTATGGAATTCTAA
1701 AATACAGCATAGCAAAACTTTAACCTCCAAATCAAGCCTCTACTTGAATCCTTTTCTGAGGGATGAATAAGGCATAGGCATCAGGGGCTGTTGCCAATGT
1801 GCATTAGCTGTTTGCAGCCTCACCTTCTTTCATGGAGTTTAAGATATAGTGTATTTTCCCAAGGTTTGAACTAGCTCTTCATTTCTTTATGTTTTAAATG
SspI (1930)
SwaI (1944)
1901 CACTGACCTCCCACATTCCCTTTTTAGTAAAATATTCAGAAATAATTTAAATACATCATTGCAATGAAAATAAATGTTTTTTATTAGGCAGAATCCAGAT
EcoO109I (2005)
2001 GCTCAAGGCCCTTCATAATATCCCCCAGTTTAGTAGTTGGACTTAGGGAACAAAGGAACCTTTAATAGAAATTGGACAGCAAGAAAGCGAGCTTCTAGCT
2101 TTAGTTCCTGGTGTACTTGAGGGGGATGAGTTCCTCAATGGTGGTTTTGACCAGCTTGCCATTCATCTCAATGAGCACAAAGCAGTCAGGAGCATAGTCA
141 • N R T Y K L P I L E E I T T K V L K G N M E I L V F C D P A Y D
BstXI (2234)
2201 GAGATGAGCTCTCTGCACATGCCACAGGGGCTGACCACCCTGATGGATCTGTCCACCTCATCAGAGTAGGGGTGCCTGACAGCCACAATGGTGTCAAAGT
107 S I L E R C M G C P S V V R I S R D V E D S Y P H R V A V I T D F D
StuI (2369)
Eco147I (2369)
2301 CCTTCTGCCCGTTGCTCACAGCAGACCCAATGGCAATGGCTTCAGCACAGACAGTGACCCTGCCAATGTAGGCCTCAATGTGGACAGCAGAGATGATCTC
74 K Q G N S V A S G I A I A E A C V T V R G I Y A E I H V A S I I E
2401 CCCAGTCTTGGTCCTGATGGCCGCCCCGACATGGTGCTTGTTGTCCTCATAGAGCATGGTGATCTTCTCAGTGGCGACCTCCACCAGCTCCAGATCCTGC
41 G T K T R I A A G V H H K N D E Y L M T I K E T A V E V L E L D Q


BspHI (2519)
XmnI (2511)
VspI (2577)
AseI (2577)
2501 TGAGAGATGTTGAAGGTCTTCATGATGGCCCTCCTATAGTGAGTCGTATTATACTATGCCGATATACTATGCCGATGATTAATTGTCAAAACAGCGTGGA
7 Q S I N F T K M
2601 TGGCGTCTCCAGCTTATCTGACGGTTCACTAAACGAGCTCTGCTTATATAGACCTCCCACCGTACACGCCTACCGCCCATTTGCGTCAATGGGGCGGAGT
SpeI (2732)
2701 TGTTACGACATTTTGGAAAGTCCCGTTGATTTACTAGTCAAAACAAACTCCCATTGACGTCAATGGGGTGGAGACTTGGAAATCCCCGTGAGTCAAACC
SnaBI (2860)
Eco105I (2860)
2800 GCTATCCACGCCCATTGATGTACTGCCAAAACCGCATCATCATGGTAATAGCGATGACTAATACGTAGATGTACTGCCAAGTAGGAAAGTCCCATAAGGT
NdeI (2965)
2900 CATGTACTGGGCATAATGCCAGGCGGGCCATTTACCGTCATTGACGTCAATAGGGGGCGTACTTGGCATATGATACACTTGATGTACTGCCAAGTGGGCA
3000 GTTTACCGTAAATACTCCACCCATTGACGTCAATGGAAAGTCCCTATTGGCGTTACTATGGGAACATACGTCATTATTGACGTCAATGGGCGGGGGTCGT
PstI (3144)
SdaI (3143) PacI (3151) BspLU11I (3161)
3100 TGGGCGGTCAGCCAGGCGGGCCATTTACCGTAAGTTATGTAACGCCTGCAGGTTAATTAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGAACC
3198 GTAAAAAGGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGG
3298 ACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCGCTCTCCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCCTTTCTCCCTTCG
3398 GGAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTCGTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCCCGTTCAGC
3498 CCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAG
3598 AGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAAGAACAGTATTTGGTATCTGCGCTCTGCTGAAGCCA
3698 GTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAACAAACCACCGCTGGTAGCGGTGGTTTTTTTGTTTGCAAGCAGCAGATTACGCGCAGAA
PacI (3891)
3798 AAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCTGACGCTCAGTGGAACGAAAACTCACGTTAAGGGATTTTGGTCATGGCTAGTTAATT
EagI (3911)
SwaI (3900) NotI (3910)
3898 AACATTTAAATCAGCGGCCGCAATAAAATATCTTTATTTTCATTACATCTGTGTGTTGGTTTTTTGTGTGAATCGTAACTAACATACGCTCTCCATCAAA
3998 ACAAAACGAAACAAAACAAACTAGCAAAATAGGCTGTCCCCAGTGCAAGTGCAGGTGCCAGAACATTTCTCTATCGAA