

pOP3MP

ATGAATGGACTGAATGATATCTTTTGAAGCGCAGAAAATTGAATGGCATGAATCCGGATCT
90 100 110 120 130 140
M N G L N D I F E A Q K I E W H E S G S

SpeI
>=====

CATCACCATCACCATCACCATCACACTAGTATGAAAATCGAAGAAGGTAAACTGGTAATC
150 160 170 180 190 200
H H H H H H H H T S M K I E E G K L V I

TGGATTAACGGCGATAAAGGCTATAACGGTCTCGCTGAAGTCGGTAAGAAAATTCGAGAAA
210 220 230 240 250 260
W I N G D K G Y N G L A E V G K K F E K

GATACCGGAATTAAGTCCCGTTGAGCATCCGGATAAACTGGAAGAGAAAATTCCCACAG
270 280 290 300 310 320
D T G I K V T V E H P D K L E E K F P Q

GTTGCGGCAACTGGCGATGGCCCTGACATTATCTTCTGGGCACACGACCGCTTTGGTGGC
330 340 350 360 370 380
V A A T G D G P D I I F W A H D R F G G

TACGCTCAATCTGGCCTGTTGGCTGAAATCACCCCGACAAAGCGTTCAGGACAAGCTG
390 400 410 420 430 440
Y A Q S G L L A E I T P D K A F Q D K L

TATCCGTTTACCTGGGATGCCGTACGTTACAACGGCAAGCTGATTGCTTACCCGATCGCT
450 460 470 480 490 500
Y P F T W D A V R Y N G K L I A Y P I A

BglII
>=====

GTTGAAGCGTTATCGCTGATTTATAACAAAGATCTGCTGCCGAACCCGCCAAAAACCTGG
510 520 530 540 550 560
V E A L S L I Y N K D L L P N P P K T W

GAAGAGATCCCGCGCTGGATAAAGAAGTAAAGCGAAAGGTAAGAGCGCGCTGATGTTTC
570 580 590 600 610 620
E E I P A L D K E L K A K G K S A L M F

AACCTGCAAGAACCGTACTTCACCTGGCCGCTGATTGCTGCTGACGGGGTTATGCGTTC
630 640 650 660 670 680
N L Q E P Y F T W P L I A A D G G Y A F

AAGTATGAAAACGGCAAGTACGACATTAAGACGTGGGCGTGGATAACGCTGGCGCGGAAA
690 700 710 720 730 740
K Y E N G K Y D I K D V G V D N A G A K

GCGGGTCTGACCTTCCTGGTTGACCTGATTAATAACAAACACATGAATGCAGACACCGAT
750 760 770 780 790 800
A G L T F L V D L I K N K H M N A D T D

TACTCCATCGCAGAAGCTGCCTTTAATAAAGGCGAAACAGCGATGACCATCAACGGCCCCG
810 820 830 840 850 860
Y S I A E A A F N K G E T A M T I N G P

TGGGCATGGTCCAACATCGACACCAGCAAAGTGAATTTATGGTGTAAACGGTACTGCCGACC
870 880 890 900 910 920
W A W S N I D T S K V N Y G V T V L P T

TTCAAGGGTCAACCATCCAACCGTTTCGTTGGCGTGCTGAGCGCAGGTATTGACGCCGCC
930 940 950 960 970 980
F K G Q P S K P F V G V L S A G I D A A

AGTCCGAACAAAGAGCTGGCAAAAGAGTTCCTCGAAAACATCTGCTGACTGATGAAGGT
990 1000 1010 1020 1030 1040
S P N K E L A K E F L E N Y L L T D E G

CTGGAAGCGGTTAATAAAGACAAACCGCTGGGTGCCGTAGCGCTGAAGTCTTACGAGGAA
1050 1060 1070 1080 1090 1100
L E A V N K D K P L G A V A L K S Y E E

E L A K D P R I A A T M E N A Q K G E I
 ATGCCGAACATCCCGCAGATGTCCGCTTTCTGGTATGCCGTGCGTACTGCGGTGATCAAC
 1170 1180 1190 1200 1210 1220
 M P N I P Q M S A F W Y A V R T A V I N
 GCCGCCAGCGGTTCGTCAGACTGTTCGATGAAGCCCTGAAAGACGCGCAGACTAATTCGAGC
 1230 1240 1250 1260 1270 1280
 A A S G R Q T V D E A L K D A Q T N S S

BamHI
 >=====

AgeI	Sali	ApaI	NcoI
>=====	>=====	====>=	>=

TCGACCGGTAGTGGCACCAGTGGGTCGACACTGGAAGTTCTGTTTCAGGGCCCAGGATCC
 1290 1300 1310 1320 1330 1340
 S T G S G T S G S T L E V L F Q G P G S

EcoRI	AvrII	NcoI	NotI	XhoI	HindIII
>=====	>=====	====	=>=====	>=====	>=====

ATGGAATTCGCGGCCGCCCTAGGCTCGAGCTAAGCTTG
 1350 1360 1370 1380
 M E F A A A L G S S * - *

#	Enzymes that cut	Frequency	Isoschizomers
	AgeI	1	
	ApaI	1	
	AvrII	1	
	BamHI	1	
	BglII	1	
	EcoRI	1	
	HindIII	1	
	NcoI	1	
	NotI	1	
	Sali	1	
	SpeI	1	
	XhoI	1	