

pOP5MP

SpeI
>=====

ATGAATGGATCTCATCACCATCACCATCACCATCACACTAGTATGAAAATCGAAGAAGGT
 90 100 110 120 130 140
 M N G S H H H H H H H T S M K I E E G

AAACTGGTAATCTGGATTAACGGCGATAAAGGCTATAACGGTCTCGCTGAAGTCGGTAAG
 150 160 170 180 190 200
 K L V I W I N G D K G Y N G L A E V G K

AAATTCGAGAAAGATACCGGAATTAAAGTCACCGTTGAGCATCCGGATAAACTGGAAGAG
 210 220 230 240 250 260
 K F E K D T G I K V T V E H P D K L E E

AAAT'TCCCACAGGTTGCGGCAACTGGCGATGGCCCTGACAT'TATCT'TCTGGGCACACGAC
 270 280 290 300 310 320
 K F P Q V A A T G D G P D I I F W A H D

CGCTTTGGTGGCTACGCTCAATCTGGCCTGTTGGCTGAAATCACCCCGGACAAAGCGTTC
 330 340 350 360 370 380
 R F G G Y A Q S G L L A E I T P D K A F

CAGGACAAGCTGTATCCGTTTACCTGGGATGCCGTACGTTACAACGGCAAGCTGATTGCT
 390 400 410 420 430 440
 Q D K L Y P F T W D A V R Y N G K L I A

BglII
>=====

TACCCGATCGCTGTTGAAGCGTTATCGCTGATTTATAACAAAGATCTGCTGCCGAACCCG
 450 460 470 480 490 500
 Y P I A V E A L S L I Y N K D L L P N P

CCAAAAACCTGGGAAGAGATCCCGGCGCTGGATAAAGAAGCTGAAAGCGAAAGGTAAGAGC
 510 520 530 540 550 560
 P K T W E E I P A L D K E L K A K G K S

GCGCTGATGTTCAACCTGCAAGAACCGTACTTCACCTGGCCGCTGATTGCTGCTGACGGG
 570 580 590 600 610 620
 A L M F N L Q E P Y F T W P L I A A D G

GGTTATGCGTTCAAGTATGAAAACGGCAAGTACGACAT'TAAAGACGTGGGCGTGGATAAC
 630 640 650 660 670 680
 G Y A F K Y E N G K Y D I K D V G V D N

GCTGGCGCGAAAGCGGGTCTGACCT'TCCTGGTTGACCTGAT'TAAAAACAAACACATGAAT
 690 700 710 720 730 740
 A G A K A G L T F L V D L I K N K H M N

GCAGACACCGATTACTCCATCGCAGAAGCTGCCTTTAATAAAGGCGAAACAGCGATGACC
 750 760 770 780 790 800
 A D T D Y S I A E A A F N K G E T A M T

ATCAACGGCCCGTGGGCATGGTCCAACATCGACACCAGCAAAGTGAATTATGGTGTAACG
 810 820 830 840 850 860
 I N G P W A W S N I D T S K V N Y G V T

GTACTGCCGACCT'TCAAGGGTCAACCATCCAAACCGTTTCGTTGGCGTGCTGAGCGCAGGT
 870 880 890 900 910 920
 V L P T F K G Q P S K P F V G V L S A G

ATTGACGCCCGCAGTCCGAACAAAGAGCTGGCAAAGAGTTCCCTCGAAAACATCTGCTG
 930 940 950 960 970 980
 I D A A S P N K E L A K E F L E N Y L L

ACTGATGAAGGCTCTGGAAGCGGTTAATAAAGACAAACCGCTGGGTGCCGTAGCGCTGAAG
 990 1000 1010 1020 1030 1040
 T D E G L E A V N K D K P L G A V A L K

TCTTACGAGGAAGAGTTGGCGAAAGATCCACGTAT'TGCCGCCACAATGGAAAACGCCCCAG
 1050 1060 1070 1080 1090 1100
 S Y E E E L A K D P R I A A T M E N A Q

K G E I M P N I P Q M S A F W Y A V R T

GCGGTGATCAACGCCCGCCAGCGGTCTGTCGACTGTCGATGAAGCCCTGAAAGACGCGCAG

1170 1180 1190 1200 1210 1220
A V I N A A S G R Q T V D E A L K D A Q

AgeI Sali ApaI
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ACTAATTCGAGCTCGACCGGTAGTGGCACCAGTGGGTCGACACTGGAAGTTCTGTTTCAG

1230 1240 1250 1260 1270 1280
T N S S S T G S G T S G S T L E V L F Q

BamHI EcoRI AvrII
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ApaI NcoI NotI XhoI
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GGCCCAGGATCCATGGAATTCGCGGCCCGCCCTAGGCTCGAGCGGACTGAATGACATTTTC
1290 1300 1310 1320 1330 1340
G P G S M E F A A A L G S S G L N D I F

HindIII
>=====

GAAGCACAGAAGATCGAATGGCATGAAGCCTAAGCTTG
1350 1360 1370 1380
E A Q K I E W H E A * - *

# 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	