

SpeI
>=====

ATGAATGGATCTCATCACCATCACCATCACCATCACACTAGTAGCAATTCATGTCCCCT
 90 100 110 120 130 140
 M N G S H H H H H H H T S S N S M S P

ATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCACTCGACTTCTTTTGGAAATAT
 150 160 170 180 190 200
 I L G Y W K I K G L V Q P T R L L L E Y

CTTGAAGAAAAATATGAAGAGCATTGTATGAGCGCGATGAAGGTGATAAATGGCGAAAC
 210 220 230 240 250 260
 L E E K Y E E H L Y E R D E G D K W R N

AAAAAGTTTGAATTGGGTTTGGAGTTTCCCAATCTTCCTTATTATATTGATGGTGATGTT
 270 280 290 300 310 320
 K K F E L G L E F P N L P Y Y I D G D V

AAATTAACACAGTCTATGGCCATCATAACGTTATATAGCTGACAAGCACAACATGTTGGGT
 330 340 350 360 370 380
 K L T Q S M A I I R Y I A D K H N M L G

GGTTGTCCAAAAGAGCGTGCAGAGATTTCAATGCTTGAAGGAGCGGTTTTGGATATTAGA
 390 400 410 420 430 440
 G C P K E R A E I S M L E G A V L D I R

TACGGTGTTCGAGAATTGCATATAGTAAAGACTTTGAAACTCTCAAAGTTGATTTTCTT
 450 460 470 480 490 500
 Y G V S R I A Y S K D F E T L K V D F L

AGCAAGCTACCTGAAATGCTGAAATGTTTCGAAGATCGTTTATGTCATAAAACATATTTA
 510 520 530 540 550 560
 S K L P E M L K M F E D R L C H K T Y L

AATGGTGATCATGTAACCCATCCTGACTTCATGTTGTATGACGCTCTTGATGTTGTTTTA
 570 580 590 600 610 620
 N G D H V T H P D F M L Y D A L D V V L

TACATGGACCCAATGTGCCTGGATGCGTTCCCAAAATTAGTTTGTTTTAAAAAACGTATT
 630 640 650 660 670 680
 Y M D P M C L D A F P K L V C F K K R I

GAAGCTATCCCACAAATTGATAAGTACTTGAATCCAGCAAGTATATAGCATGGCCTTTG
 690 700 710 720 730 740
 E A I P Q I D K Y L K S S K Y I A W P L

AgeI
>=====

CAGGGCTGGCAAGCCACGTTTGGTGGTGGCGACCATCCTCCAACCGGTAGTGGCACCAGT
 750 760 770 780 790 800
 Q G W Q A T F G G G D H P P T G S G T S

BamHI EcoRI AvrII
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Sali ApaI NcoI NotI
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GGGTCGACACTGGAAGTTCTGTTTTCAGGGCCAGGATCCATGGAATTCGCGGCCGCCCTA
 810 820 830 840 850 860
 G S T L E V L F Q G P G S M E F A A A L

XhoI
>=====

AvrII
 ==
 GGCTCGAGCGGACTGAATGACATTTTTCGAAGCACAGAAGATCGAATGGCATGAAGCCTAT
 870 880 890 900 910 920
 G S S G L N D I F E A Q K I E W H E A Y

HindIII
>=====

GAATGGATCTCATAAGCTTG
 930 940

| # | Enzymes that cut | Frequency | Isoschizomers |
|---|------------------|-----------|---------------|
| | AgeI | 1 | |
| | ApaI | 1 | |
| | AvrII | 1 | |
| | BamHI | 1 | |
| | EcoRI | 1 | |
| | HindIII | 1 | |
| | NcoI | 1 | |
| | NotI | 1 | |
| | SalI | 1 | |
| | SpeI | 1 | |
| | XhoI | 1 | |