

pExp-His-Tsf-TEV

SpeI
>=====

ATGAATCACCATCACCATCACCATCACCATTCTGGCACTAGTGGCGCAGAAATTACGGCT
 90 100 110 120 130 140
 M N H H H H H H H S G T S G A E I T A

TCCCTGGTCAAAGAATTGCGCAACGTACGGGTGCAGGCATGATGGACTGCAAGAAGGCG
 150 160 170 180 190 200
 S L V K E L R E R T G A G M M D C K K A

CTGACCGAAGCCAATGGCGACATCGAGCTGGCGATCGAGAACATGCGTAAATCGGGTGCA
 210 220 230 240 250 260
 L T E A N G D I E L A I E N M R K S G A

ATCAAAGCGGCCAAAAAGGCGGGTAATGTTGCGGCAGACGGCGTCATTAAAACCAAGATC
 270 280 290 300 310 320
 I K A A K K A G N V A A D G V I K T K I

GATGGTAACTATGGCATTATTCTGGAAGTCAACTGTCAGACGGATTTTCGTGGCGAAGGAC
 330 340 350 360 370 380
 D G N Y G I I L E V N C Q T D F V A K D

GCGGGTTTTCAAGCCTTCGCCGACAAGGTCCTGGACGCAGCGGTGGCTGGTAAAATCACG
 390 400 410 420 430 440
 A G F Q A F A D K V L D A A V A G K I T

GATGTCGAAGTGTTGAAAGCACAGTTTGAAGAAGAGCGTGTCGCTCTGGTGGCAAAGATC
 450 460 470 480 490 500
 D V E V L K A Q F E E E R V A L V A K I

GGCGAGAATATCAATATCCGCCGTGTTGCGGCACTGGAAGGTGATGTTCTGGGCAGCTAC
 510 520 530 540 550 560
 G E N I N I R R V A A L E G D V L G S Y

CAGCACGGTGCAGTATTGGCGTTCTGGTGGCTGCCAAGGGTGCGGACGAAGAGCTGGTG
 570 580 590 600 610 620
 Q H G A R I G V L V A A K G A D E E L V

NsiI
====>=

AAACATATCGCGATGCATGTGCGCGGAGCAAACCAGAGTTTATCAAACCGGAAGATGTT
 630 640 650 660 670 680
 K H I A M H V A A S K P E F I K P E D V

AGCGCCGAGGTCGTGGAAAAAGAGTATCAGGTACAGCTGGACATTGCGATGCAGTCCGGC
 690 700 710 720 730 740
 S A E V V E K E Y Q V Q L D I A M Q S G

AAACCTAAAGAGATCGCAGAGAAGATGGTTCGAGGGCCGCATGAAGAAGTTTACCGGTGAG
 750 760 770 780 790 800
 K P K E I A E K M V E G R M K K F T G E

GTTAGCCTGACTGGTCAACCGTTTGTATGGAGCCGAGCAAACCGTTGGTCAATTGCTG
 810 820 830 840 850 860
 V S L T G Q P F V M E P S K T V G Q L L

AAAGAGCACAATGCGGAAGTGACCGGTTTCATTCGTTTTGAGGTGGGTGAAGGCATTGAG
 870 880 890 900 910 920
 K E H N A E V T G F I R F E V G E G I E

AAAGTGGAAACCGATTTTCGCGGCAGAAGTTGCGGCTATGAGCAAGCAATCTAGCGGTACC
 930 940 950 960 970 980
 K V E T D F A A E V A A M S K Q S S G T

BsaI XhoI
>.....===== >=====

GAAAACCTGTACTTCCAGTGAGACCTTAATTAACCTCGAGCGCATGGAGCCACCCGAGTT
 990 1000 1010 1020 1030 1040
 E N L Y F Q * - - - * - - - - - - -

HindIII
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CGAAAAATAAGCTTG
 1050 1060
 - - - - -

#	Enzymes that cut	Frequency	Isoschizomers
	BsaI	1	BsaI
	HindIII	1	
	NsiI	1	
	SpeI	1	
	XhoI	1	