

pExp-His-PpiB-TEV

SpeI
>=====

ATGAATCACCATCACCATCACCATCACCATTCTGGCACTAGTGGCGTTACTTTCCACACC
 90 100 110 120 130 140
 M N H H H H H H H S G T S G V T F H T

AATCACGGCGATATTGTTCATCAAAACTTTTGACGATAAAGCACCTGAAACAGTTAAAAAC
 150 160 170 180 190 200
 N H G D I V I K T F D D K A P E T V K N

TTCCTGGACTACTGCCGCGAAGGTTTTTACAACAACACCATTTTCCACCGTGTATCAAC
 210 220 230 240 250 260
 F L D Y C R E G F Y N N T I F H R V I N

GGCTTTATGATTACAGGGCGGCGGTTTTGAACCGGGCATGAAACAAAAAGCCACCAAAGAA
 270 280 290 300 310 320
 G F M I Q G G G F E P G M K Q K A T K E

CCGATCAAAAACGAAGCCAACAACGGCCTGAAAAATACCCGTGGTACGCTGGCAATGGCA
 330 340 350 360 370 380
 P I K N E A N N G L K N T R G T L A M A

CGTACTCAGGCTCCGCACTCTGCAACTGCACAGTTCTTCATCAACGTGGTTGATAACGAC
 390 400 410 420 430 440
 R T Q A P H S A T A Q F F I N V V D N D

TTCCTGAACTTCTCTGGCGAAAGCCTGCAAGGTTGGGGCTACTGCGTGTTTCTGGAAGTG
 450 460 470 480 490 500
 F L N F S G E S L Q G W G Y C V F A E V

AgeI
>=====

GTTGACGGCATGGACGTGGTAGACAAAATCAAAGGTGTTGCAACCGGTTCGTAGCGGTATG
 510 520 530 540 550 560
 V D G M D V V D K I K G V A T G R S G M

CACCAGGACGTGCCAAAAGAAGACGTTATCATTGAAAGCGTGACCGTTAGCGAGAGCGGT
 570 580 590 600 610 620
 H Q D V P K E D V I I E S V T V S E S G

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

ACCGAAAACCTGTACTTCCAGTGAGACCTTAATTAACCTCGAGCGCATGGAGCCACCCGCA
 630 640 650 660 670 680
 T E N L Y F Q * - - - * - - - - - - -

HindIII
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GTTCGAAAATAAGCTTG
 690 700
 - - - - -

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