

pExp-His-MsyB-TEV

SpeI

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ATGAATCACCATCACCATCACCATCACCATTCTGGCACTAGTGGCACCATGTACGCAACG
 90 100 110 120 130 140
 M N H H H H H H H S G T S G T M Y A T

CTTGAAGAAGCCATTGACGCTGCACGCGAAGAATTTCTTGACAGACAACCCCGGCATCGAC
 150 160 170 180 190 200
 L E E A I D A A R E E F L A D N P G I D

GCCGAAGATGCGAATGTGCAACAGTTCAATGCCCAAAAATACGTTTTGCAGGACGGCGAC
 210 220 230 240 250 260
 A E D A N V Q Q F N A Q K Y V L Q D G D

ATCATGTGGCAAGTTGAGTTTTTTGCGGACGAAGGGGAAGAAGGTGAATGTTTACCTATG
 270 280 290 300 310 320
 I M W Q V E F F A D E G E E G E C L P M

CTTAGCGGTGAAGCCGCGCAAAGTGTTTTTGGATGGCGACTATGATGAGATAGAGATACGC
 330 340 350 360 370 380
 L S G E A A Q S V F D G D Y D E I E I R

CAGGAGTGGCAGGAAGAGAATACATTACATGAATGGGACGAGGGGGAATTTGAGCTTGAG
 390 400 410 420 430 440
 Q E W Q E E N T L H E W D E G E F Q L E

CCACCGCTGGATACCGAGGAAGGACGCGCAGCAGCTGATGAGTGGGATGAACGTAGCGGT
 450 460 470 480 490 500
 P P L D T E E G R A A A D E W D E R S G

BsaI

XhoI

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ACCGAAAACCTGTACTTCCAGTGAGACCTTAATTAACCTCGAGCGCATGGAGCCACCCGCA
 510 520 530 540 550 560
 T E N L Y F Q * - - - * - - - - - - -

HindIII

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GTTCGAAAATAAGCTTG
 570 580
 - - - - -

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