

pExp-His-DsbA-TEV

SpeI  
>=====

ATGAATCACCATCACCATCACCATCACCATTCTGGCACTAGTGGCGCGCAGTATGAAGAT  
 90 100 110 120 130 140  
 M N H H H H H H H S G T S G A Q Y E D

AgeI  
>=====

GGTAAACAGTACACTACCCTGGAAAAACCGGTAGCTGGCGCGCCGCAAGTGCTGGAGTTT  
 150 160 170 180 190 200  
 G K Q Y T T L E K P V A G A P Q V L E F  
 TTCTCTTTCTTCTGCCCCGACTGCTATCAGTTTGAAGAAGTTCTGCATATTTCTGATAAT  
 210 220 230 240 250 260  
 F S F F C P H C Y Q F E E V L H I S D N  
 GTGAAGAAAAAAGTCCCGGAAGGCGTGAAGATGACTAAATACCACGTCAACTTCATGGGT  
 270 280 290 300 310 320  
 V K K K L P E G V K M T K Y H V N F M G

BglIII  
>=====

GGTGACCTGGGCAAAGATCTGACTCAGGCATGGGCTGTGGCGATGGCGCTGGGCGTGGAA  
 330 340 350 360 370 380  
 G D L G K D L T Q A W A V A M A L G V E  
 GACAAAGTGACTGTTCCGCTGTTTGAAGGCGTACAGAAAACCCAGACCATTCTGTTCTGCT  
 390 400 410 420 430 440  
 D K V T V P L F E G V Q K T Q T I R S A  
 TCTGATATCCGCGATGTATTTATCAACGCAGGTATTAAGGTGAAGAGTACGACGCGGCG  
 450 460 470 480 490 500  
 S D I R D V F I N A G I K G E E Y D A A

PstI  
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TGGAACAGCTTCGTGGTGAATCTCTGGTCGCTCAGCAGGAAAAAGCTGCAGCTGACGTG  
 510 520 530 540 550 560  
 W N S F V V K S L V A Q Q E K A A A D V  
 CAATTGCGTGGCGTTCGGCGATGTTTGTAAACGGTAAATATCAGCTGAATCCGCAGGGT  
 570 580 590 600 610 620  
 Q L R G V P A M F V N G K Y Q L N P Q G  
 ATGGATACCAGCAATATGGATGTTTTTGTTCAGCAGTATGCTGATACAGTGAAATATCTG  
 630 640 650 660 670 680  
 M D T S N M D V F V Q Q Y A D T V K Y L

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

TCCGAGAAAAATCTGGTACCGAAAACCTGTACTTCCAGTGAGACCTTAATTAACCTCGAG  
 690 700 710 720 730 740  
 S E K K S G T E N L Y F Q \* - - - \* - -

HindIII  
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CGCATGGAGCCACCCGCGAGTTCGAAAAATAAGCTTG  
 750 760 770 780  
 - - - - - - - - - -

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