

pExp-His-AFV-TEV

SpeI

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ATGAATCACCATCACCATCACCATCACCATTCTGGCACTAGTGGCGACACCCACGAATTT
 90 100 110 120 130 140
 M N H H H H H H H S G T S G D T H E F

SalI

>=====

CATAAGCTGCTGATCAAAGTTGTCGACCTGTTCTTGGGAAGATCGTATCAAAGAGTTTGAG
 150 160 170 180 190 200
 H K L L I K V V D L F L E D R I K E F E

CTGAAATTGAACACGACCCTGGATGAGCTGGAATTTGAAGAAGTATCGGCAAACCGGAC
 210 220 230 240 250 260
 L K L N T T L D E L E F E E L I G K P D

AGCAGCAACAGCGCCGAAAACAATGGTATTTTCATCGACGAGTATTCTTACGATGCGTCC
 270 280 290 300 310 320
 S S N S A E N N G I F I D E Y S Y D A S

GAGAACGCAATTAAGAAGCTGTTTCGTCGAGTACGTTCCGAACCGGAGTTTAAGTATAACC
 330 340 350 360 370 380
 E N A I K K L F V E Y V R Q P E F K Y T

GTTCTGAGCATTAAAGGCGTGAATGATTGGGTGCGTGAAAGCGGTACCGAAAACCTGTAC
 390 400 410 420 430 440
 V L S I K G V N D W V R E S G T E N L Y

BsaI

XhoI

HindIII

>.....===== >===== >=====
 TTCCAGTGAGACCTTAATTAACTCGAGCGCATGGAGCCACCCGAGTTCGAAAAATAAGC
 450 460 470 480 490 500
 F Q * - - - * - - - - - - - - - - - - - - -

HindIII

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TTG

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| # Enzymes that cut | Frequency | Isoschizomers |
|--------------------|-----------|---------------|
| BsaI | 1 | BsaI |
| HindIII | 1 | |
| SalI | 1 | |
| SpeI | 1 | |
| XhoI | 1 | |