pExp-His-TFSumo-TEV

```
                                        SpeI
                                        >=====
ATGAATCACCATCACCATCACCATCACCATTCTGGCACTAGTGGCCAAGTTTCAGTTGAA
    90        100       110       120       130       140
M  N  H  H  H  H  H  H  H  H  S  G  T  S  G  Q  V  S  V  E

ACCACTCAAGGCCTTGGCCGCCGTGTAACGATTACTATCGCTGCTGACAGCATCGAAACC
    150       160       170       180       190       200
T  T  Q  G  L  G  R  R  V  T  I  T  I  A  A  D  S  I  E  T

GCTGTTAAAAGCGAGCTGGTCAACGTTGCGAAAAAAGTACGTATTGACGGCTTCCGCAAA
    210       220       230       240       250       260
A  V  K  S  E  L  V  N  V  A  K  K  V  R  I  D  G  F  R  K

GGCAAAGTGCCAATGAATATCGTTGCTCAGCGTTATGGCGCGTCTGTACGCCAGGACGTT
    270       280       290       300       310       320
G  K  V  P  M  N  I  V  A  Q  R  Y  G  A  S  V  R  Q  D  V

CTGGGTGACCTGATGAGCCGTAACTTCATTGACGCCATCATTAAAGAAAAAATCAATCCG
    330       340       350       360       370       380
L  G  D  L  M  S  R  N  F  I  D  A  I  I  K  E  K  I  N  P

GCTGGCGCACCGACTTATGTTCCGGGCGAATACAAGCTGGGTGAAGACTTCACTTACTCT
    390       400       410       420       430       440
A  G  A  P  T  Y  V  P  G  E  Y  K  L  G  E  D  F  T  Y  S

GTAGAGTTTGAAGTTTATCCGGAAGTTGAACTGCAGGGTCTGGAAGCGATCGAAGTTGAA
    450       460       470       480       490       500
V  E  F  E  V  Y  P  E  V  E  L  Q  G  L  E  A  I  E  V  E

AAACCGATCGTTGAAGTGACCGACGCTGACGTTGACGGCATGCTGGATACTCTGCGTAAA
    510       520       530       540       550       560
K  P  I  V  E  V  T  D  A  D  V  D  G  M  L  D  T  L  R  K

CAGCAGGCGACCTGGAAAGAAAAAGACGGCGCTGTTGAAGCAGAAGACCGCGTAACCATC
    570       580       590       600       610       620
Q  Q  A  T  W  K  E  K  D  G  A  V  E  A  E  D  R  V  T  I

      AgeI
      >=====
GACTTCACCGGTTCTGTAGACGGCGAAGAGTTCGAAGGCGGTAAAGCGTCTGATTTCGTA
    630       640       650       660       670       680
D  F  T  G  S  V  D  G  E  E  F  E  G  G  K  A  S  D  F  V

                        XmaI
                        >======
CTGGCGATGGGCCAGGGTCGTATGATCCCGGGCTTTGAAGACGGTATCAAAGGCCACAAA
    690       700       710       720       730       740
L  A  M  G  Q  G  R  M  I  P  G  F  E  D  G  I  K  G  H  K

GCTGGCGAAGAGTTCACCATCGACGTGACCTTCCCGGAAGAATACCACGCAGAAAACCTG
    750       760       770       780       790       800
A  G  E  E  F  T  I  D  V  T  F  P  E  E  Y  H  A  E  N  L

AAAGGTAAAGCAGCGAAATTCGCTATCAACCTGAAGAAAGTTGAAGAGCGTGAACTGCCG
    810       820       830       840       850       860
K  G  K  A  A  K  F  A  I  N  L  K  K  V  E  E  R  E  L  P

           EcoRI
           >=====
GAACTGACTGCAGAATTCATCAAACGTTTCGGCGTTGAAGATGGTTCCGTAGAAGGTCTG
    870       880       890       900       910       920
E  L  T  A  E  F  I  K  R  F  G  V  E  D  G  S  V  E  G  L

CGCGCTGAAGTGCGTAAAAACATGGAGCGCGAGCTGAAGAGCGCCATCCGTAACCGCGTT
    930       940       950       960       970       980
R  A  E  V  R  K  N  M  E  R  E  L  K  S  A  I  R  N  R  V

AAGTCTCAGGCGATCGAAGGTCTGGTAAAAGCTAACGACATCGACGTACCGGCTGCGCTG
    990       1000      1010      1020      1030      1040
K  S  Q  A  I  E  G  L  V  K  A  N  D  I  D  V  P  A  A  L

ATCGACAGCGAAATCGACGTTCTGCGTCGCCAGGCTGCACAGCGTTTCGGTGGCAACGAA
    1050      1060      1070      1080      1090      1100
I  D  S  E  I  D  V  L  R  R  Q  A  A  Q  R  F  G  G  N  E
```

```
AAACAAGCTCTGGAACTGCCGCGCGAACTGTTCGAAGAACAGGCTAAACGCCGCGTAGTT
    1110      1120      1130      1140      1150      1160
K  Q  A  L  E  L  P  R  E  L  F  E  E  Q  A  K  R  R  V  V

GTTGGCCTGCTGCTGGGCGAAGTTATCCGCACCAACGAGCTGAAAGCTGACGAAGAGCGC
    1170      1180      1190      1200      1210      1220
V  G  L  L  L  G  E  V  I  R  T  N  E  L  K  A  D  E  E  R

GTGAAAGGCCTGATCGAAGAGATGGCTTCTGCGTACGAAGATCCGAAAGAAGTTATCGAG
    1230      1240      1250      1260      1270      1280
V  K  G  L  I  E  E  M  A  S  A  Y  E  D  P  K  E  V  I  E

TTCTACAGCAAAAACAAAGAACTGATGGACAACATGCGCAATGTTGCTCTGGAAGAACAG
    1290      1300      1310      1320      1330      1340
F  Y  S  K  N  K  E  L  M  D  N  M  R  N  V  A  L  E  E  Q

GCTGTTGAAGCTGTACTGGCGAAAGCGAAAGTGACTGAAAAAGAAACCACTTTCAACGAG
    1350      1360      1370      1380      1390      1400
A  V  E  A  V  L  A  K  A  K  V  T  E  K  E  T  T  F  N  E

CTGATGAACCAGCAGGCTAGTGGCAGCGATAGCGAAGTGAACCAGGAAGCGAAACCGGAA
    1410      1420      1430      1440      1450      1460
L  M  N  Q  Q  A  S  G  S  D  S  E  V  N  Q  E  A  K  P  E

GTTAAACCTGAAGTGAAGCCGGAAACCCATATTAACCTGAAAGTGTCTGATGGCAGCAGC
    1470      1480      1490      1500      1510      1520
V  K  P  E  V  K  P  E  T  H  I  N  L  K  V  S  D  G  S  S

GAAATCTTCTTCAAAATCAAAAAAACCACTCCGCTGCGTCGTCTGATGGAAGCGTTTGCG
    1530      1540      1550      1560      1570      1580
E  I  F  F  K  I  K  K  T  T  P  L  R  R  L  M  E  A  F  A

AAACGTCAGGGCAAAGAAATGGATAGCCTGCGTTTTCTGTATGATGGCATTCGTATTCAG
    1590      1600      1610      1620      1630      1640
K  R  Q  G  K  E  M  D  S  L  R  F  L  Y  D  G  I  R  I  Q

                BglII
                >=====
GCGGATCAGACTCCGGAAGATCTGGATATGGAAGATAACGATATTATCGAAGCGCATCGT
    1650      1660      1670      1680      1690      1700
A  D  Q  T  P  E  D  L  D  M  E  D  N  D  I  I  E  A  H  R

                                          BsaI     XhoI
                                  >.........======   >=====
GAGCAGATTGGTGGTACCGAAAACCTGTACTTCCAGTGAGACCTTAATTAACTCGAGCGC
    1710      1720      1730      1740      1750      1760
E  Q  I  G  G  T  E  N  L  Y  F  Q  *  -  -  -  *  -  -  -

                         HindIII
                         >=====
ATGGAGCCACCCGCAGTTCGAAAAATAAGCTTG
    1770      1780      1790
-  -  -  -  -  -  -  -  -  -  -
```

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