pOP5GT

```
                                          SpeI
                                          >=====
ATGAATGGATCTCATCACCATCACCATCACCATCACACTAGTAGCAATTCCATGTCCCCT
    90        100       110       120       130       140
M  N  G  S  H  H  H  H  H  H  H  H  T  S  S  N  S  M  S  P

ATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCACTCGACTTCTTTTGGAATAT
    150       160       170       180       190       200
I  L  G  Y  W  K  I  K  G  L  V  Q  P  T  R  L  L  L  E  Y

CTTGAAGAAAAATATGAAGAGCATTTGTATGAGCGCGATGAAGGTGATAAATGGCGAAAC
    210       220       230       240       250       260
L  E  E  K  Y  E  E  H  L  Y  E  R  D  E  G  D  K  W  R  N

AAAAAGTTTGAATTGGGTTTGGAGTTTCCCAATCTTCCTTATTATATTGATGGTGATGTT
    270       280       290       300       310       320
K  K  F  E  L  G  L  E  F  P  N  L  P  Y  Y  I  D  G  D  V

AAATTAACACAGTCTATGGCCATCATACGTTATATAGCTGACAAGCACAACATGTTGGGT
    330       340       350       360       370       380
K  L  T  Q  S  M  A  I  I  R  Y  I  A  D  K  H  N  M  L  G

GGTTGTCCAAAAGAGCGTGCAGAGATTTCAATGCTTGAAGGAGCGGTTTTGGATATTAGA
    390       400       410       420       430       440
G  C  P  K  E  R  A  E  I  S  M  L  E  G  A  V  L  D  I  R

TACGGTGTTTCGAGAATTGCATATAGTAAAGACTTTGAAACTCTCAAAGTTGATTTTCTT
    450       460       470       480       490       500
Y  G  V  S  R  I  A  Y  S  K  D  F  E  T  L  K  V  D  F  L

AGCAAGCTACCTGAAATGCTGAAAATGTTCGAAGATCGTTTATGTCATAAAACATATTTA
    510       520       530       540       550       560
S  K  L  P  E  M  L  K  M  F  E  D  R  L  C  H  K  T  Y  L

AATGGTGATCATGTAACCCATCCTGACTTCATGTTGTATGACGCTCTTGATGTTGTTTTA
    570       580       590       600       610       620
N  G  D  H  V  T  H  P  D  F  M  L  Y  D  A  L  D  V  V  L

TACATGGACCCAATGTGCCTGGATGCGTTCCCAAAATTAGTTTGTTTTAAAAAACGTATT
    630       640       650       660       670       680
Y  M  D  P  M  C  L  D  A  F  P  K  L  V  C  F  K  K  R  I

GAAGCTATCCCACAAATTGATAAGTACTTGAAATCCAGCAAGTATATAGCATGGCCTTTG
    690       700       710       720       730       740
E  A  I  P  Q  I  D  K  Y  L  K  S  S  K  Y  I  A  W  P  L

                                             AgeI
                                             >=====
CAGGGCTGGCAAGCCACGTTTGGTGGTGGCGACCATCCTCCAACCGGTAGTGGCACCAGT
    750       760       770       780       790       800
Q  G  W  Q  A  T  F  G  G  G  D  H  P  P  T  G  S  G  T  S

                                NcoI       NotI          XhoI
                                >=====     =>======     >===
  SalI                       BamHI    EcoRI         AvrII
  >=====                     >=====   >=====        >=====
GGGTCGACAGAAAACCTGTACTTCCAGGGATCCATGGAATTCGCGGCCGCCCTAGGCTCG
    810       820       830       840       850       860
G  S  T  E  N  L  Y  F  Q  G  S  M  E  F  A  A  A  L  G  S

XhoI                                                  HindIII
==                                                    >=====
AGCGGACTGAATGACATTTTCGAAGCACAGAAGATCGAATGGCATGAAGCCTAAGCTTG
    870       880       890       900       910       920
S  G  L  N  D  I  F  E  A  Q  K  I  E  W  H  E  A  *  −  *
```

# Enzymes that cut	Frequency	Isoschizomers
AgeI	1	
AvrII	1	
BamHI	1	
EcoRI	1	

NotI	1
SalI	1
SpeI	1
XhoI	1