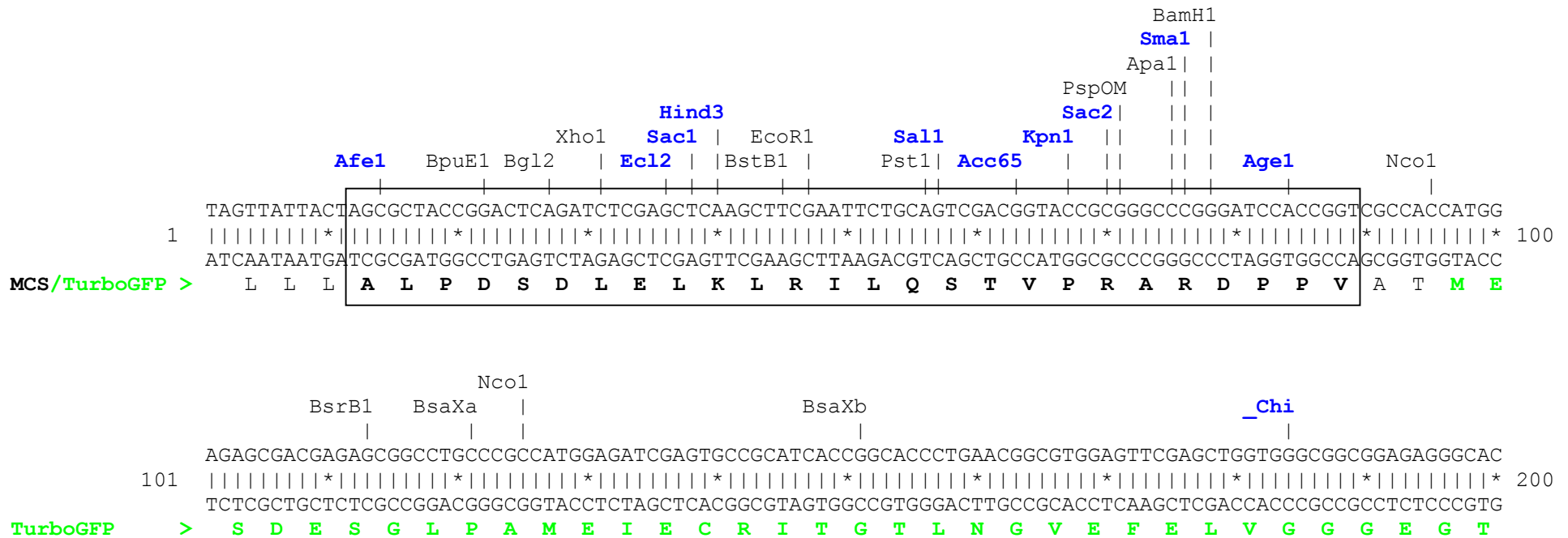


peTurboGFP-PRL-dest1 vector restriction map

The data has not been verified by restriction digestion with each enzyme listed and does not take into account possible methylation sites. Enzymes that recognize unambiguous sequences less than 6 basepairs long are not included – for the more complete enzyme list please refer to the Table of restriction sites.

Unique sites shown in bold blue. The location given specifies the 3' end of the cut DNA (the base to the left of the cut site).

MCS sequence shown in frame, amino acids coded by MCS and MODC amino acids are shown in bold black.



```

                                     Nar1
                                     Kas1|
                                     BspM1|
                                     PflM1|
                                     |
Eci1|                               Sap1|                               Pml1|
  |                               Ear1|                               | |
  |                               Eco57||                             |
  |                               |                               |
CCCCGAGCAGGGCCGCATGACCAACAAGATGAAGAGCACCAAAGGCGCCCTGACCTTCAGCCCCTACCTGCTGAGCCACGTGATGGGCTACGGCTTCTAC
201  ||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||* 300
GGGGCTCGTCCC GGCGTACTGGTTGTTCTACTTCTCGTGGTTTCCGCGGGACTGGAAGTCGGGGATGGACGACTCGGTGCACTACCCGATGCCGAAGATG
TurboGFP  > P E Q G R M T N K M K S T K G A L T F S P Y L L S H V M G Y G F Y

```

```

                                     Bsg1
                                     BseY1|   SpAcc|   Xmn1|
                                     |           |           |
                                     |           |           |
CACTTCGGCACCTACCCCAGCGGCTACGAGAACCCTTCCCTGCACGCCATCAACAACGGCGGGCTACACCAACACCCGCATCGAGAAGTACGAGGACGGCG
301  ||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||* 400
GTGAAGCCGTGGATGGGGTCGCCGATGCTCTTGGGGAAGGACGTGCGGTAGTTGTTGCCGCCGATGTGGTTGTGGGCGTAGCTCTTCATGCTCCTGCCGC
TurboGFP  > H F G T Y P S G Y E N P F L H A I N N G G Y T N T R I E K Y E D G G

```

```

                                     Fse1
                                     Nae1|
                                     Eag1|
Eco57|                               Pml1|                               NgoM4|
  |                               |           |           |
  |                               |           |           |
GCGTGTGCACGTGAGCTTCAGCTACCGCTACGAGGCCGGCCGCGTGATCGGCGACTTCAAGGTGATGGGCACCGGCTTCCCCGAGGACAGCGTGATCTT
401  ||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||* 500
CGCACGACGTGCACTCGAAGTCGATGGCGATGCTCCGGCCGGCGCACTAGCCGCTGAAGTTCCACTACCCGTGGCCGAAGGGGCTCCTGTGCGCACTAGAA
TurboGFP  > V L H V S F S Y R Y E A G R V I G D F K V M G T G F P E D S V I F

```

```

                                     Nco1
                                     BspM1|
                                     BsaB1|                               Eco57|
                                     Bsg1|                               |
                                     |           |           |
CACCACAAGATCATCCGCAGCAACGCCACCGTGGAGCACCTGCACCCCATGGGCGATAACGATCTGGATGGCAGCTTACCCGCACCTTCAGCCTGCGC
501  ||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||*||||||||* 600
GTGGCTGTTCTAGTAGGCGTCGTTGCGGTGGCACCTCGTGGACGTGGGGTACCCGCTATTGCTAGACCTACCGTCAAGTGGGCGTGGAAGTCGGACGCG
TurboGFP  > T D K I I R S N A T V E H L H P M G D N D L D G S F T R T F S L R

```

```

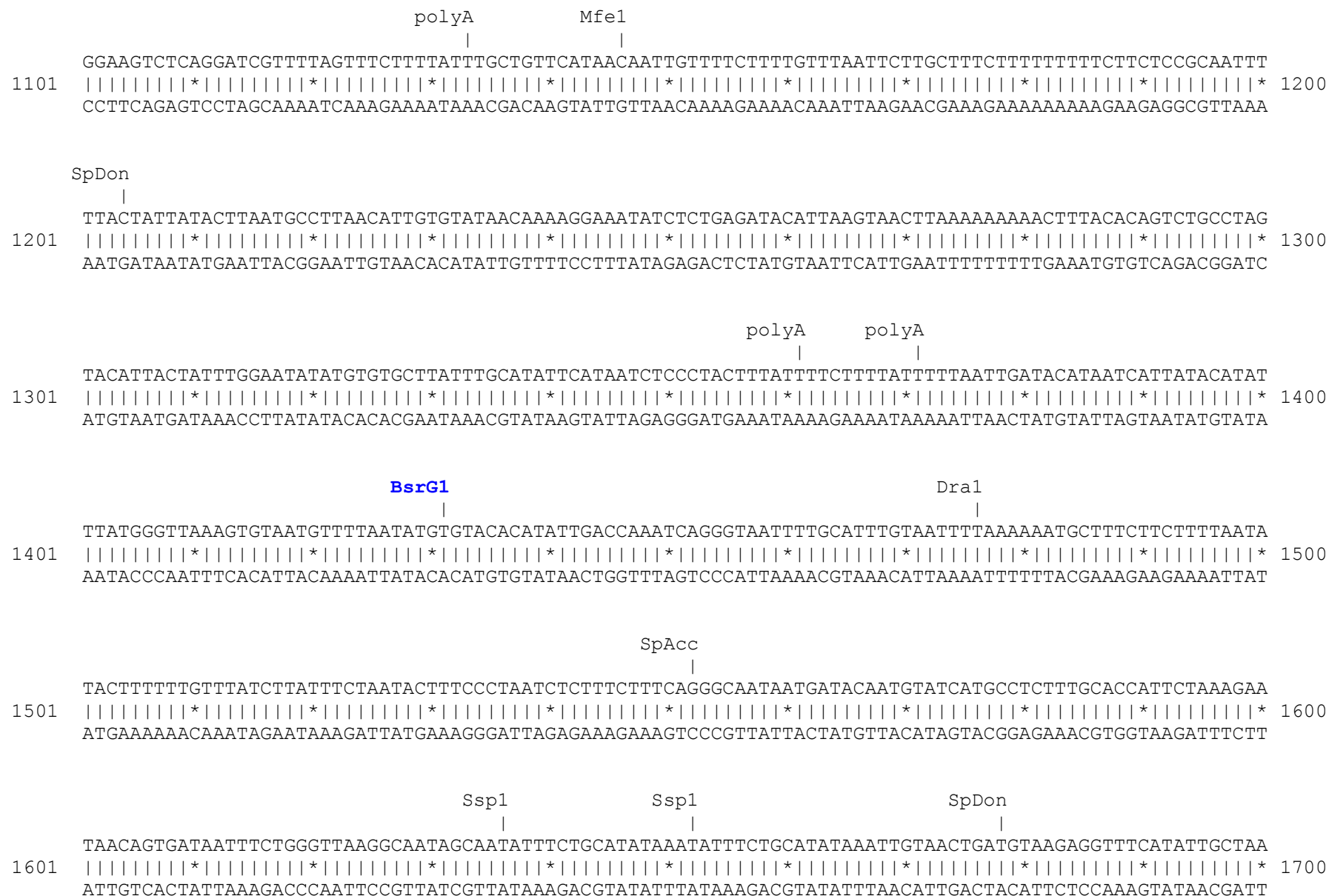
                                                Eci1
                                                Apal  |
BsaXb              BsaXa              BseY1              Pst1  PspOM  |  |
|                  |                  |                  |   |   |
GACGGCGGCTACTACAGCTCCGTGGTGGACAGCCACATGCACTTCAAGAGCGCCATCCACCCCAGCATCCTGCAGAACGGGGGCCCCATGTTTCGCCTTCC
601  |||||||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 700
CTGCCGCCGATGATGTCGAGGCACCACCTGTCGGTGTACGTGAAGTTCTCGCGGTAGGTGGGGTTCGTAGGACGTCTTGCCCCGGGGTACAAGCGGAAGG
TurboGFP  > D G G Y Y S S V V D S H M H F K S A I H P S I L Q N G G P M F A F R

                                                Xho1
                                                Bgl2  |
BseR1  BseY1              |
|        |                  |
GCCGCGTGGAGGAGGATCACAGCAACACCGAGCTGGGCATCGTGGAGTACCAGCACGCCTTCAAGACCCCGGATGCAGATGCCGGTGAAGAAAGATCTCG
701  |||||||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 800
CGGCGCACCTCCTCCTAGTGTCTGTGGCTCGACCCGTAGCACCTCATGGTCTGCGGAAGTTCTGGGGCCTACGTCTACGGCCACTTCTTTCTAGAGC
TurboGFP  > R V E E D H S N T E L G I V E Y Q H A F K T P D A D A G E E R S R

                                                Nae1
                                                SgrA1 |
EcoRV  Nco1              NgoM4              |                  BsrB1
|        |              |                  |                  |
AGATATCAGCCATGGCTTCCCGCCGGCGGTGGCGGCAGGATGATGGCACGCTGCCCATGTCTTGTGCCAGGAGAGCGGGATGGACCGTCACCCTGCA
801  |||||||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 900
TCTATAGTCGGTACCGAAGGGCGGCCACCGCCGCTCCTACTACCGTGCACGGGTACAGAACACGGGTCTCTCGCCCTACCTGGCAGTGGGACGT
MODC      > D I S H G F P P A V A A Q D D G T L P M S C A Q E S G M D R H P A

                                                Not1
                                                BamH1
BstAP              Eag1              Pml1  |
Pst1  |              Bsg1              Eco57 |                  SanD1
|        |              |                  |                  |
GCCTGTGCTTCTGCTAGGATCAATGTGTAGGCGGCCGCGTGAACAAGCTGCACGTGGATCCTGAGAACTTCAGGGTGAGTCTATGGGACCCCTTGATGTTTT
901  |||||||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 1000
CGGACACGAAGACGATCCTAGTTACACATCCGCCGGCGCACTGTTTCGACGTGCACCTAGGACTCTTGAAGTCCCCTCAGATAACCCTGGGAACTACAAAA
MODC      > A C A S A R I N V *

CTTTCCCCTTCTTTTCTATGGTTAAGTTCATGTGCATAGGAAGGGGATAAGTAACAGGGTACAGTTTGAATGGGAAACAGACGAATGATTGCATCAGTGT
1001 |||||||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 1100
GAAAGGGGAAGAAAAGATAACCAATTCAAGTACAGTATCCTTCCCCTATTCATTGTCCCATGTCAAATCTTACCCTTTGTCTGCTTACTAACGTAGTCACA
```



```

                                polyA
                                |
1701 TAGCAGCTACAATCCAGCTACCATTCTGCTTTTATTTTATGGTTGGGATAAGGCTGGATTATTCTGAGTCCAAGCTAGGCCCTTTTGCTAATCATGTTCA
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1800
    ATCGTCGATGTTAGGTCGATGGTAAGACGAAAATAAAAATACCAACCCTATTCCGACCTAATAAGACTCAGGTTTCGATCCGGGAAAACGATTAGTACAAGT

                                AlwN1
                                SpAcc |
                                | |
                                | |
1801 TACTTCTTATCTTCCTCCCACAGCTCCTGGGCAACGTGCTGGTCTGTGTGCTGGCCCATCACTTTGGCAAAGAATTACCCCCACCAGTGCAGGCTGCCTA
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1900
    ATGAAGAATAGAAGGAGGGTGTGCGAGGACCCGTTGCACGACCAGACACACGACCCGGGTAGTGAAACCGTTTCTTAAGTGGGGTGGTCACGTCCGACGGAT

                                BsgI
                                |
1901 TCAGAAAGTGGTGGCTGGTGTGGCTAATGCCCTGGCCCAAGTATCACTAAGCTCGCTTTCTTGCTGTCCAATTTCTATTAAGGTTCCCTTTGTTCCCT
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2000
    AGTCTTTCACCACCGACCACACCGATTACGGGACCGGGTGTTCATAGTGATTTCGAGCGAAAGAACGACAGGTTAAAGATAATTTCCAAGGAAACAAGGGA

                                BpuE1
                                Bmr1 | XbaI | BsaB1 | SpDon |
                                | | | |
2001 AAGTCCAATACTAAACTGGGGGATATTATGAAGGGCCTTGAGCATTGGATTCTGCCTCTAGATCATAATCAGCCATAACCACATTTGTAGAGGTTTTACT
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2100
    TTCAGGTTGATGATTTGACCCCTATAATACTTCCCGAACTCGTAACCTAAGACGGAGATCTAGTATTAGTCGGTATGGTGTAAACATCTCCAAAATGA

                                DraI
                                |
                                |
                                BsmI
                                MfeI | HpaI
                                || |
                                |
                                polyA
                                |
                                PsiI
                                |
                                polyA
                                |
2101 TGCTTTAAAAAACCTCCCACACCTCCCCCTGAACCTGAAACATAAAATGAATGCAATTGTTGTTGTTAACTTGTTTATTGCAGCTTATAATGGTTACAAA
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2200
    ACGAAATTTTTTGGAGGGTGTGGAGGGGGACTTGGACTTTGTATTTTACTTACGTTAACAACAACAATTGAACAAATAACGTCGAATATTACCAATGTTT

                                polyA
                                |
                                BtsI
                                |
                                BsmI
                                |
                                AfII
                                |
2201 TAAAGCAATAGCATCACAAATTCACAAATAAAGCATTTTTTTCACTGCATTCTAGTTGTGGTTTGTCCAAACTCATCAATGTATCTTAAGGCGTAAATT
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2300
    ATTCGTTATCGTAGTGTTTAAAGTGTTTATTTTCGTAAAAAAGTGACGTAAGATCAACACCAAACAGGTTTGAGTAGTTACATAGAATTCCGCATTTAA
```

```
SpDon          SspI                                 PsiI
|              |                                                    |
2301  GTAAGCGTAAATATTTTGTAAAATTCGCGTTAAATTTTTGTAAATCAGCTCATTTTTAAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAA
      |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 2400
      CATTCGCAATTATAAAACAATTTTAAAGCGCAATTTAAAAACAATTTAGTCGAGTAAAAAATGGTATCCGGCTTTAGCCGTTTTAGGGAATATTTAGTT

                   BsaXb          DrdI          BsaXa
                   |              |              |
2401  AAGAATAGACCGAGATAGGGTTGAGTGTGTTCCAGTTTGAACAAGAGTCCACTATTAAAGAACGTGGACTCCAACGTCAAAGGGCGAAAAACCGTCTA
      |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 2500
      TTCTTATCTGGCTCTATCCCAACTCACAACAAGGTCAAACCTTGTCTCAGGTGATAATTTCTTGCACCTGAGGTTGCAGTTTCCCCTTTTGGCAGAT

              BtgZ1
              |
           Dra3 |
              ||
                |
2501  TCAGGGCGATGGCCCCACTACGTGAACCATCACCCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAAGCACTAAATCGGAACCCTAAAGGGAGCCCCCGA
      |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 2600
      AGTCCCCTACCAGGTTGATGCACCTTGGTAGTGGGATTAGTTCAAAAAACCCAGCTCCACGGCATTTCGTGATTTAGCCTTGGGATTTCCCTCGGGGGCT

              NaeI
              |
           NgoM4 |
              ||
                |
                |
2601  TTTAGAGCTTGACGGGAAAGCCGGCGAACGTGGCGAGAAAGGAAGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTCACGC
      |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 2700
      AAATCTGAACTGCCCTTTTCGGCCGCTTGCACCGCTCTTCCTTCCCTTCTTTCGCTTTCCTCGCCCAGATCCCAGGACCGTTCACATCGCCAGTGCG

              BciV1
              |
           BspH1 |
           BsrB1 | |
                | |
                | |
2701  TGCGCGTAACCACCACACCCGCCGCGCTTAATGCGCCGCTACAGGGCGGTCAGGTGGCACTTTTCGGGAAATGTGCGCGGAACCCCTATTTGTTTATT
      |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 2800
      ACGCGCATTTGGTGGTGTGGGCGGCGGAATTACGCGCGCATGTCGGCGCAGTCCACCGTGAAGGCCCTTTACACGCGCCTTGGGGATAAACAATAA

              BciV1
              |
           BspH1 |
           BsrB1 | |
                | |
                | |
polyA  |
2801  TTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCGTATAAATGCTTCAATAATATTGAAAAAGGAAGAGTCCTGAGGCGGAAAGAACC
      |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 2900
      AAAGATTTATGTAAGTTTATACATAGGCGAGTACTCTGTTATTGGGACTATTTACGAAGTTATTATAACTTTTTCTTCTCAGGACTCCGCCTTCTTGG
```

Nsi1

Sph1 |

BfrB1 |

BstAP ||

SexA1 |

Eci1

Pvu2 |

BseY1

BstAP ||

| | |

2901 AGCTGTGGAATGTGTGTCAGTTAGGGTGTGGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCATCTCAATTAGTCAGCAACCAGGTG

||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||* 3000

TCGACACCTTACACACAGTCAATCCCACACCTTTCAGGGGTCCGAGGGGTCGTCCGTCTTCATACGTTTCGTACGTAGAGTTAATCAGTCGTTGGTCCAC

Nsi1

Sph1 |

BfrB1 |

BstAP ||

Eci1

Eci1

BseY1

|

| | |

| | |

| | |

3001 TGAAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCATCTCAATTAGTCAGCAACCATAGTCCCGCCCCTAACTCCGCCCATCCCCGCC

||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||* 3100

ACCTTTCAGGGGTCCGAGGGGTCGTCCGTCTTCATACGTTTCGTACGTAGAGTTAATCAGTCGTTGGTATCAGGGCGGGGATTGAGGCGGGTAGGGCGGG

Eci1

Bmr1 |

Eci1

Nco1

polyA

Sfi1

Bgl1

|

3101 CTAActCCGCCcAGTTCCGCCcATTCTCCGCCcCATGGCTGACTAAATTTTTTTTTATTATGCAGAGGCCGAGGCCCGCTCGGCCTCTGAGCTATTCCAGA

||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||* 3200

GATTGAGGCGGGTCAAGGCGGGTAAGAGGCGGGTACCGACTGATTAATAAATAAATAACGTCTCCGGCTCCGGCGGAGCCGGAGACTCGATAAGGTCT

Avr2

Stu1 |

SpDon

BseR1 ||

Cla1

BsaB1

BspM1

|

|

|

3201 AGTAGTGAGGAGGCTTTTTTGGAGGCCTAGGCTTTTGCAAAGATCGATCAAGAGACAGGATGAGGATCGTTTTTCGCATGATTGAACAAGATGGATTGCACG

||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||* 3300

TCATCACTCCTCCGAAAAACCTCCGGATCCGAAAAACGTTTCTAGCTAGTTCTCTGTCTACTCCTAGCAAAGCGTACTAACTTGTCTACCTAACGTGC

Eag1

|

Bmr1

|

3301 CAGGTCTCCGGCCGCTTGGGTGGAGAGGCTATTCCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTTCCGGCTGTCAGCGCA

||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||*||||||* 3400

GTCCAAGAGGCCGGCGAACCACCTCTCCGATAAGCCGATACTGACCCGTGTTGTCTGTTAGCCGACGAGACTACGGCGGCACAAGGCCGACAGTCGCGT

```
    NarI
    KasI |                      DrdI
    ||                               |
    GGGGCGCCCGGTTCTTTTTGTCAAGACCACCTGTCCGGTGCCCTGAATGAACTGCAAGACGAGGCAGCGCGGCTATCGTGGCTGGCCACGACGGGCGTT
3401 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 3500
    CCCCgcgGcCAAGAAAAACAGTTCtGGcTGgACAGccACgGGACTTAcTTGAcGTTCTGCTCCGTCGcGCCGATAGcACCgACCGGTGCTGCCCGcAA

    Pvu2
    FspI |   PflF1 |                      Eco57 |                      SpDon |
    | |   |       |                               |                               |
    CCTTgCGcAGCTGTGCTCGAcGTTGTCAcTGAAGCGGGAAGGGACTGGcTGCTATtGGGCGAAGTGCCGGGGcAGGATCTCTGTCACTCAcCTTGCTC
3501 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 3600
    gGAACGCGTCGAcACGAGCTGCAACAGTGAcTTCGCCCTTCcCTGAcCGAcGATAAcCCCGCTTCAcGGCCCGTCCTAGAGGAcAGTAGAGTGGAACGAG

    BciV1 |   BsrD1 |                      BspM1 |   BtgZ1 |
    |       |       |                               |       |       |
    CTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGGCGGCTGCATACGCTTGATCCGGCTACCTGCCcATTCGACCACCAAGCGAAACATCGCATCGA
3601 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 3700
    GAcGGCTCTTTCATAGGTAGTAcCGACTAcGTTAcGCCCGcGAcGTATGCgAAcTAGGCCGATGGAcGGGTAAAGCTGGTGGTTTCGCTTTGTAGCGTAGCT

    Sap1 |   Ear1 |                      BpuE1 |
    |       |       |                               |
    GCGAGCACGTACTCGGATGGAAGCCGGTCTTGTCGATCAGGATGATCTGGAcGAAGAGCATCAGGGGCTCGCGCCAGCCGAAcTGTTCGCCAGGCTCAAG
3701 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 3800
    CGCTCGTCGATGAGCcTAcCTTCGGCCGAAGAcGCTAGTCCTAcTAGAcCTGCTTCTCGTAGTCCCCGAGCGGGTCGGCTTGAcAAAGCGGTCCGAGTTc

    Sph1 |   Nco1 |                      BtgZ1 |
    |       |       |                               |
    GCGAGCATGCCCGAcGGCGAGGATCTCGTCGTGAcCCcATGGCGATGCCTGCTTGCCGAATATcATGGTGGAaAAATGGCCCGCTTTTCTGGATTcATCGAcT
3801 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 3900
    CGCTCGTAcGGGCTGCCGCTCTTAGAcGAcGAcTGGGTAcCGCTAcGGAcGAACGGCTTATAGTAcCAcCTTTTAcCGGCGAAAGAcCTAAGTAGCTGA
```



```
4401  GACCCCATTTGGGGCCAATACGCCCGGTTTCTTCCTTTTCCCACCCCACCCCCAAGTTCGGGTGAAGGCCAGGGCTCGCAGCCAACGTCGGGGCGGC 4500
      | | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | *
      CTGGGGTAACCCCGTTATGCGGGCGCAAAGAAGGAAAAGGGGTGGGGTGGGGGTTCAAGCCCCTTCCGGGTCCCAGCGTTCGGTTGCAGCCCCGCGG

      BstAP
      AlwN1      Bsu36                                Dra1                                Dra1
      |          |          |          |          |          |          |
      AGGCCCTGCCATAGCCTCAGGTTACTCATATATACTTTAGATTGATTTAAACTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAAT
4501  | | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * 4600
      TCCGGGACGGTATCGGAGTCCAATGAGTATATATGAAATCTAACTAAATTTTGAAGTAAAAATTAAATTTTCTAGATCCACTTCTAGGAAAAACTATTA

      BspH1
      |
      CTCATGACCAAAATCCCTTAACTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCG
4601  | | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * 4700
      GAGTACTGGTTTTAGGAATTGCACTCAAAGCAAGGTGACTCGCAGTCTGGGGCATCTTTTCTAGTTTCTAGAAAGAACTCTAGGAAAAAAGACGCGC

                                                                                               Eco57
                                                                                               |
      TAATCTGCTGCTTGCAAACAAAAAACCACCGCTACCAGCGGTGGTTTGTGGCCGGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCAG
4701  | | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * 4800
      ATTAGACGACGAACGTTTGTTTTTTGGTGGCGATGGTCGCCACCAACAAACGGCCTAGTTCTCGATGGTTGAGAAAAAGGCTTCCATTGACCGAAGTC

                                                                                               SpAcc
                                                                                               |
      CAGAGCGCAGATAACAAATACTGTCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCACCTACATACCTCGCTCTGCTAATC
4801  | | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * 4900
      GTCTCGCGTCTATGGTTTATGACAGGAAGATCACATCGGCATCAATCCGGTGGTGAAGTTCTTGAGACATCGTGGCGGATGTATGGAGCGAGACGATTAG

      AlwN1                                BpuE1
      |          |
      CTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGTCCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTTCGGGCTGAACGG
4901  | | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * | | | | | | | * 5000
      GACAATGGTCACCGACGACGGTCACCGCTATTCAGCACAGAATGGCCCAACCTGAGTTCTGCTATCAATGGCCTATTCCGCGTCGCCAGCCCCGACTTGCC
```


Found:

Aar1	Acc65	Afe1	Afl2	Age1	AlwN1	Apa1	ApaL1	Avr2	BamH1	BciV1	BfrB1	Bgl1	Bgl2
Blp1	Bmr1	Bpm1	BpuE1	Bsa1	BsaB1	BsaXa	BsaXb	BseR1	BseY1	Bsg1	Bsm1	BspH1	BspLU
BspM1	BsrB1	BsrD1	BsrG1	BssS1	BstAP	BstB1	BstX1	Bsu36	BtgZ1	Bts1	_Chi	Clal	Dra1
Dra3	Drd1	Eag1	Ear1	Eci1	Ecl2	Eco57	EcoR1	EcoRV	Fse1	Fsp1	Hind3	Hpa1	Kas1
Kpn1	Mfe1	Msc1	Nae1	Nar1	Nco1	NgoM4	Not1	Nsi1	PflF1	PflM1	Pml1	polyA	Psi1
PspOM	Pst1	Pvu2	Rsr2	Sac1	Sac2	Sall1	SanD1	Sap1	SexA1	Sfil	SgrA1	Sma1	SpAcc
SpDon	Sph1	Ssp1	Stu1	Xba1	Xho1	Xmn1							

Unique:

Aar1	Acc65	Afe1	Afl2	Age1	ApaL1	Bgl1	Blp1	Bsa1	BspLU	BsrD1	BsrG1	BstX1	Bts1
_Chi	Clal	Dra3	Ecl2	EcoRV	Fse1	Fsp1	Hind3	Hpa1	Kpn1	Msc1	Not1	PflF1	PflM1
Rsr2	Sac1	Sac2	Sall1	SanD1	SexA1	Sfil	SgrA1	Sma1	Stu1	Xba1	Xmn1		

Not found:

Aat2	Ac11	Ahd1	Ale1	Asc1	Ase1	AsiS1	Baela	Baelb	Bbs1	BbvC1	Bcg1a	Bcg1b	Bcl1
BmgB1	Bpu10	BsiW1	BsmB1	BspE1	BssH2	BstE2	BstZ1	BxatB	BxatL	BxatR	BxatP	EcoK	EcoN1
FCatB	FCatL	FCatR	FCatP	ScFRT	FspA1	I_Ceu	loxP	Mlu1	Nde1	Nhe1	Nru1	Pac1	Pme1
PshA1	Pvu1	R4atB	R4atL	R4atP	R4atR	Sbf1	Sca1	Sgf1	SnaB1	Spe1	Srf1	Swa1	T3RNA
T7RNA	T7Ter	PISce	Xcm1										

Excluded by site complexity:

Acc1	Ac11	Afl3	Alu1	Alw1	Apo1	Ava1	Ava2	Ban1	Ban2	Bbv1	BceA1	Bfa1	Bme15
BsaA1	BsaH1	BsaJ1	BsaW1	BseM2	BsiE1	BsiH1	Bs11	BsmA1	BsmF1	Bsp12	BspCa	BspCb	Bsr1
BsrF1	BssK1	BstF5	BstN1	BstU1	BstY1	Btg1	Cac8	CviJ1	Dde1	Eae1	EcoO1	Fau1	Fnu4H
Fok1	Hae2	Hae3	Hga1	Hha1	Hinc2	Hinf1	HinP1	Hpa2	Hph1	Hpy99	Hpy1	Hpy3	HpyC3
HpyC4	HpyC5	Mae3	Mbo2	Mnl1	Mse1	Msl1	MspA1	Mwo1	Nci1	Nla3	Nla4	Nsp1	Ple1
PpuM1	Rsa1	Sau3A	Sau96	SfaN1	Sfc1	Sml1	Sty1	Taq1	Tat1	Tfil	Tse1	Tsp45	Tsp50
TspR1													