

### pHyper-dMito 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 are shown in bold blue. The location given specifies the 3' end of the cut DNA (the base to the left of the cut site).

Mitochondrial targeting signals (MTS-1 and MTS-2) are shown in bold black and bold green.





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                                     PflM1
                                     AlwN1
                                     |
ACCAGACCTTTTCCAAAGCTGGAAATGTATCTGCATGAAGCACAGACCCACCAGTTACTGGCGCAACTGGACAGCGGCAAACCTCGATTGCGTGATCCTCGC
901 |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 1000
TGGTCTGGAAAGGTTTCGACCTTTACATAGACGTACTTTCGTGTCTGGGTGGTCAATGACCCGCTTGACCTGTGCGCCGTTTGAGCTAACGCAGTAGGAGCG
Hyper > Q T F P K L E M Y L H E A Q T H Q L L A Q L D S G K L D C V I L A

       SpDon          Bsm1                      SpAcc
       |              |                          |
GCTGGTGAAAAGAGAGCGAAGCATTCATTGAAGTGCCGTTGTTTGATGAGCCAATGTTGCTGGCTATCTATGAAGATCACCCGTGGGCGAACC GCGAATGC
1001 |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 1100
CGACCACTTTCTCTCGTTTCGTAAGTAACTTCACGGCAACAACTACTCGGTTACAACGACCCGATAGATACTTCTAGTGGGCACCCGCTTGCGCTTACG
Hyper > L V K E S E A F I E V P L F D E P M L L A I Y E D H P W A N R E C

                                     NaeI
                                     NgoM4
                                     BsrD1 | |
Bsm1          Bgl1                      Eci1          PflF1
|             |                          |              |
GTACCGATGGCCGATCTGGCAGGGGAAAAAACTGCTGATGCTGGAAGATGGTCACTGTTTGC GCGATCAGGCAATGTCCGCCGGCTACAACAGCGACAACG
1101 |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 1200
CATGGCTACCCGCTAGACCGTCCCCTTTTTGACGACTACGACCTTCTACCAGTGACAAAACGCGCTAGTCCGTTACAGGCGGCCGATGTTGTGCTGTTGTC
Hyper > V P M A D L A G E K L L M L E D G H C L R D Q A M S A G Y N S D N V

                                     Eci1                      Bsp1
                                     |                          |
TCTATATCATGGCCGACAAGCAGAAGAACGGCATCAAGGCCAACTTCAAGATCCGCCACAACGTCGAGGACGGCAGCGTGCAGCTCGCCGACCACTACCA
1201 |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 1300
AGATATAGTACCCGCTGTTTCGCTCTTCTTCCGCTAGTTC GCGTTGAAGTTCTAGGCCGGTGTGTCAGCTCCTGCCGTGCACGTCGAGCGGCTGGTGATGGT
Hyper > Y I M A D K Q K N G I K A N F K I R H N V E D G S V Q L A D H Y Q

                                     Bpu10          Bpu10
                                     |              |
GCAGAACACCCCATCGGCGACGGCCCCGTGCTGCTGCCGACAACCACTACCTGAGCTTCCAGTCCGTCCTGAGCAAAGACCCCAACGAGAAGCGCGAT
1301 |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 1400
CGTCTTGTTGGGGTTAGCCGCTGCCGGGGCACGACGACGGGCTGTTGGTGATGGACTCGAAGGTCAGGCAGGACTCGTTTCTGGGGTTGCTCTTCGCGCTA
Hyper > Q N T P I G D G P V L L P D N H Y L S F Q S V L S K D P N E K R D
    
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                Bpm1                        BsrG1
                |                            |
CACATGGTCTGCTGGAGTTCGTGACCGCCCGGGATCACTCTCGGCATGGACGAGCTGTACAACGTGGATGGCGGTAGCGGTGGCACCGGCAGCAAGG
1401 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 1500
GTGTACCAGGACGACCTCAAGCACTGGCGGGCCCTAGTGAGAGCCGTACCTGCTCGACATGTTGCACCTACCGCCATCGCCACCCTGGCCGTCGTTCC
Hyper > H M V L L E F V T A A G I T L G M D E L Y N V D G G S G G T G S K G

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                BseR1          Ale1                            Bcg1a
                |            |                                  |
GCGAGGAGCTGTTTACCAGGGTGGTGGCCATCCTGGTTCGAGCTGGACGGCGACGTAACCGCCACAAGTTTCCGGTGTCCGGCGAGGGCGAGGGCGATGC
1501 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 1600
CGTCTCTCGACAAGTGGCCCCACCACGGGTAGGACCAGCTCGACCTGCCGCTGCATTTGCCGGTGTTCAGTTCGCACAGGCCGCTCCCCTCCCCTACG
Hyper > E E L F T G V V P I L V E L D G D V N G H K F S V S G E G E G D A

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                Bsg1
        Bcg1b    |            |
        BtgZ1    |            |                Eco57                BssS1          Ale1                            Xmn1
                |            |                |                |            |                                  |
CACCTACGGCAAGCTGACCCCTGAAGCTGATCTGCACCACCGGCAAGCTGCCCGTGCCTGGCCACCCCTCGTGACCACCCCTCGGCTACGGCTACGGCTGAAGTGC
1601 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 1700
GTGGATGCCGTTGACTGGGACTTCGACTAGACGTTGGTGGCCGTTGACGGGCACGGGACCGGGTGGGAGCACTGGTGGGAGCCGATGCCGGACTTCACG
Hyper > T Y G K L T L K L I C T T G K L P V P W P T L V T T L G Y G L K C

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                Eco57                Eci1
                |                        |
TTCGCCCCTACCCCGACCACATGAAGCAGCAGACTTCTTCAAGTCCGCCATGCCCAGGCTACGTCCAGGAGCGCACCATCTTCTTCAAGGACGAGC
1701 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 1800
AAGCGGGCGATGGGGTGGTGTACTTCGTGCTGTAAGAAGTTCAGGCGGTACGGGCTTCCGATGCAGGTCCTCGCGTGGTAGAAGAAGTTCCTGCTGC
Hyper > F A R Y P D H M K Q H D F F K S A M P E G Y V Q E R T I F F K D D G

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                SpDon          SpDon          Ale1                            Eco57
                |            |            |            |                |
GCAACTACAAGACCCGCGCCGAGGTGAAGTTCGAGGGCGACACCCTGGTGAACCGCATCGAGCTGAAGGGCATCGGCTTCAAGGAGGACGGCAACATCCT
1801 |||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||*|||* 1900
CGTTGATGTTCTGGGCGCGGCTCCACTTCAAGCTCCCCTGTGGGACCACTTGCGTAGCTCGACTTCCCCTAGCCGAAGTTCCTCCTGCCGTTGTAGGA
Hyper > N Y K T R A E V K F E G D T L V N R I E L K G I G F K E D G N I L

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Age1 Bpm1 Eci1 Fsp1  
GGGGCACAAAGCTGGAGTACAACGGCACCAGTCTGTTTTGAAAGCCGGGCGGATGAAGATACACACTTCCGCGCGACCAGCCTGGAAACTCTGCGCAAC  
1901 |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* ||| 2000  
CCCCGTGTTGACCTCATGTTGCCGTGGCCAAAGACAAAAGACTTCGGCCCCGCTACTTCTATGTGTGAAGGCGCGCTGGTTCGGACCTTTGAGACGCGTTG  
**Hyper** > **G H K L E Y N G T G F C F E A G A D E D T H F R A T S L E T L R N**

BspM1 BfuA1 Afel BtgZ1  
ATGGTGGCGGCAGGTAGCGGGATCACTTTACTGCCAGCGCTGGCTGTGCCCGCGGAGCGCAAACCGCATGGGGTGTGTTATCTGCCGTGCATTAAGCCGG  
2001 |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* ||| 2100  
TACCACCGCCGTCCATCGCCCTAGTGAAATGACGGTCGCGACCGACACGGCGGCCTCGCGTTTGCCTACCCCAACAAATAGACGGCACGTAATTCGGCC  
**Hyper** > **M V A A G S G I T L L P A L A V P P E R K R D G V V Y L P C I K P E**

Fsp1 Pvu2 Msc1  
AACCACGCCGCACTATTGGCCTGGTATATCGTCTCGCTCACCGCTGCGCAGCCGCTATGAGCAGCTGGCAGAGGCCATCCGCGCAAGAATGGATGGCCA  
2101 |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* ||| 2200  
TTGGTGCGGCGTGATAACCGGACCAAATAGCAGGACCGAGTGGCGACGCGTCGGCGATACTCGTCGACCGTCTCCGGTAGGCGCGTTCTTACCTACCGGT  
**Hyper** > **P R R T I G L V Y R P G S P L R S R Y E Q L A E A I R A R M D G H**

Not1 Dra1 Dra1 Eag1 Xba1 BsaB1 SpDon Dra1  
TTTCGATAAAGTTTAAACAGGCGGTTTAAAGCGGCCGCGACTCTAGATCATAATCAGCCATACCACATTTGTAGAGGTTTACTTGCTTTAAAAAACC  
2201 |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* ||| 2300  
AAAGCTATTTCAAATTTGTCCGCAAATTCGCCGGCGCTGAGATCTAGTATTAGTCGGTATGGTGTAAACATCTCCAAAATGAACGAAATTTTTTTGG  
**Hyper** > **F D K V L K Q A V \***

Bsm1 MfeI HpaI polyA PsiI polyA  
TCCCACACCTCCCCCTGAACCTGAAACATAAAATGAATGCAATTGTTGTTGTTAACTTGTTTTATTGCGCTTATAATGGTTACAAAATAAAGCAATAGCAT  
2301 |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* |||||||| \* ||| 2400  
AGGGTGTGGAGGGGGACTTGGACTTTGTATTTACTTACGTTAACAACAACAATTGAACAAATAACGTCGAATATTACCAATGTTTATTTTCGTTATCGTA

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                polyA                Bts1 Bsm1                Afl12                SpDon                Ssp1
                |                |   |   |                |                |                |
2401 CACAAATTTACAAATAAAGCATTTTTTTCACTGCATTCTAGTTGTGGTTTGTCCAAACTCATCAATGTATCTTAAGGCGTAAATTGTAAGCGTTAATAT
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2500
    GTGTTTAAAGTGTTTATTTTCGTAAAAAAGTGACGTAAGATCAACACCAAACAGGTTTGTAGTAGTTACATAGAATTCCGCATTTAACATTTCGCAATTATA

                Psil
                |
2501 TTTGTTAAAAATTCGCGTTAAATTTTTGTTAAATCAGCTCATTTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAAATCAAAAGAATAGACCGAG
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2600
    AAACAATTTTAAAGCGCAATTTAAAAACAATTTAGTCGAGTAAAAAATTGGTTATCCGGCTTTAGCCGTTTTAGGGAATATTTAGTTTTCTTATCTGGCTC

                BsaXb                Drd1                BsaXa
                |                |                |
2601 ATAGGGTTGAGTGTGTTCCAGTTTGAACAAGAGTCCACTATTAAGAACGTGGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCC
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2700
    TATCCCAACTCACAACAAGGTCAAACCTTGTCTCAGGTGATAATTTCTTGACCTGAGGTTGCAGTTTCCCCTTTTTGGCAGATAGTCCCCTACCGG

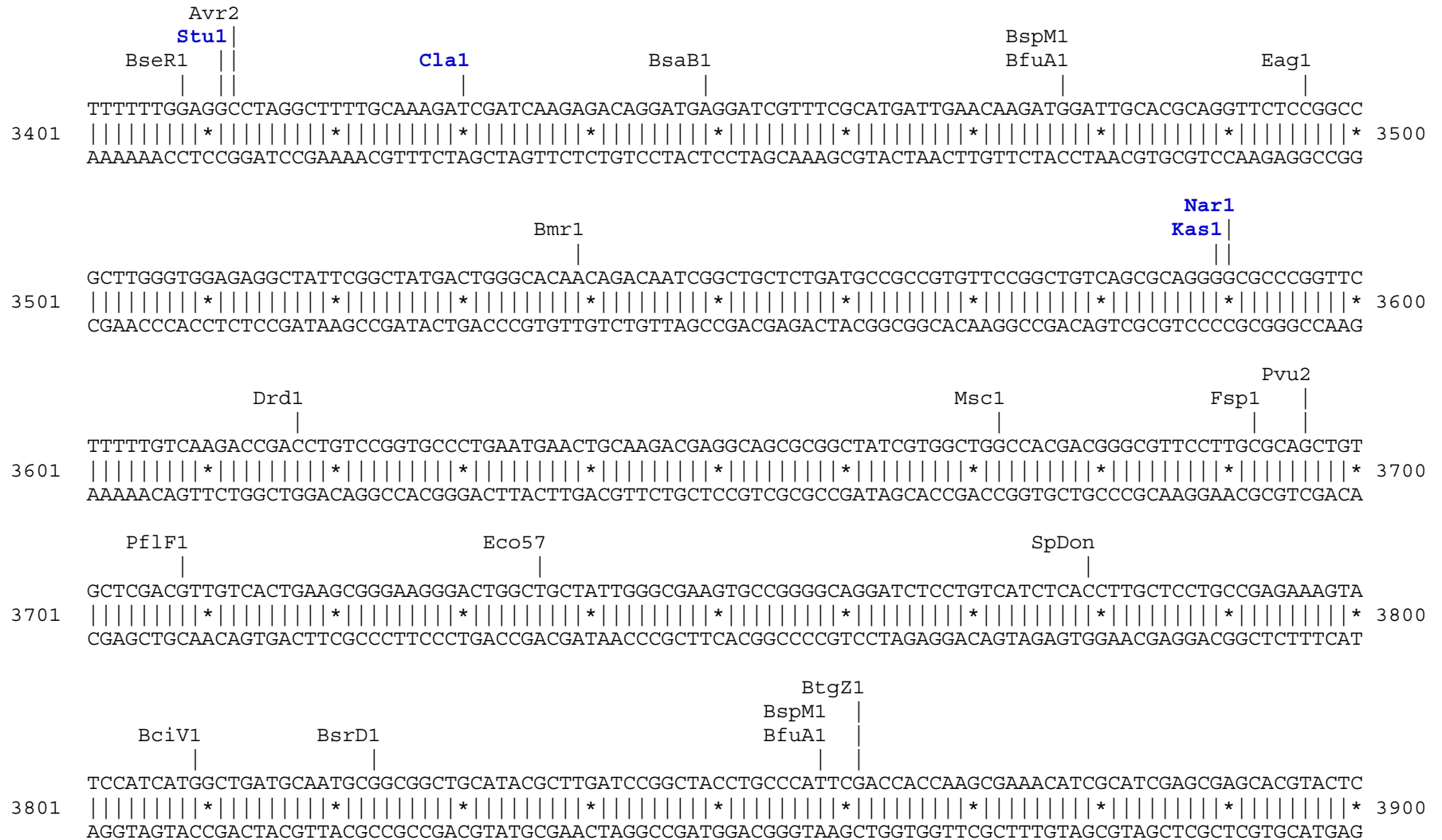
                BtgZ1
                Dra3 |                SpAcc
                ||                |
2701 CACTACGTGAACCATCACCTAATCAAGTTTTTTGGGGTTCGAGGTGCCGTAAAGCACTAAATCGGAACCTAAAGGGAGCCCCGATTTAGAGCTTGACG
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2800
    GTGATGCACTTGGTAGTGGGATTAGTTCAAAAAACCCAGCTCCACGGCATTTCGTGATTTAGCCTTGGGATTTCCCTCGGGGGCTAAATCTCGAACTGC

                Nae1
                NgoM4 |                BsrB1
                |   |                |
2801 GGGAAAACCGGCGAACGTGGCGAGAAAAGGAAGGAAGAAAAGCGAAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTCACGCTGCGCGTAACCACC
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2900
    CCTTTTCGGCCGCTTGCACCGCTCTTTCCCTTCCCTTCTTTTCGCTTTCCTCGCCCCGCGATCCCCTGACCGTTTACATCGCCAGTGCACGCGCATTGGTGG

                polyA
                |
2901 ACACCCGCGCGCTTAATGCGCCGCTACAGGGCGCGTCAGGTGGCACTTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATT
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 3000
    TGTGGGCGGCGCAATTACGCGCGATGTCCCCTGACGCGTCCACCGTGAAAAGCCCCCTTTACACGCGCCTTGGGGATAAACAATAAAAAGATTTATGTAA

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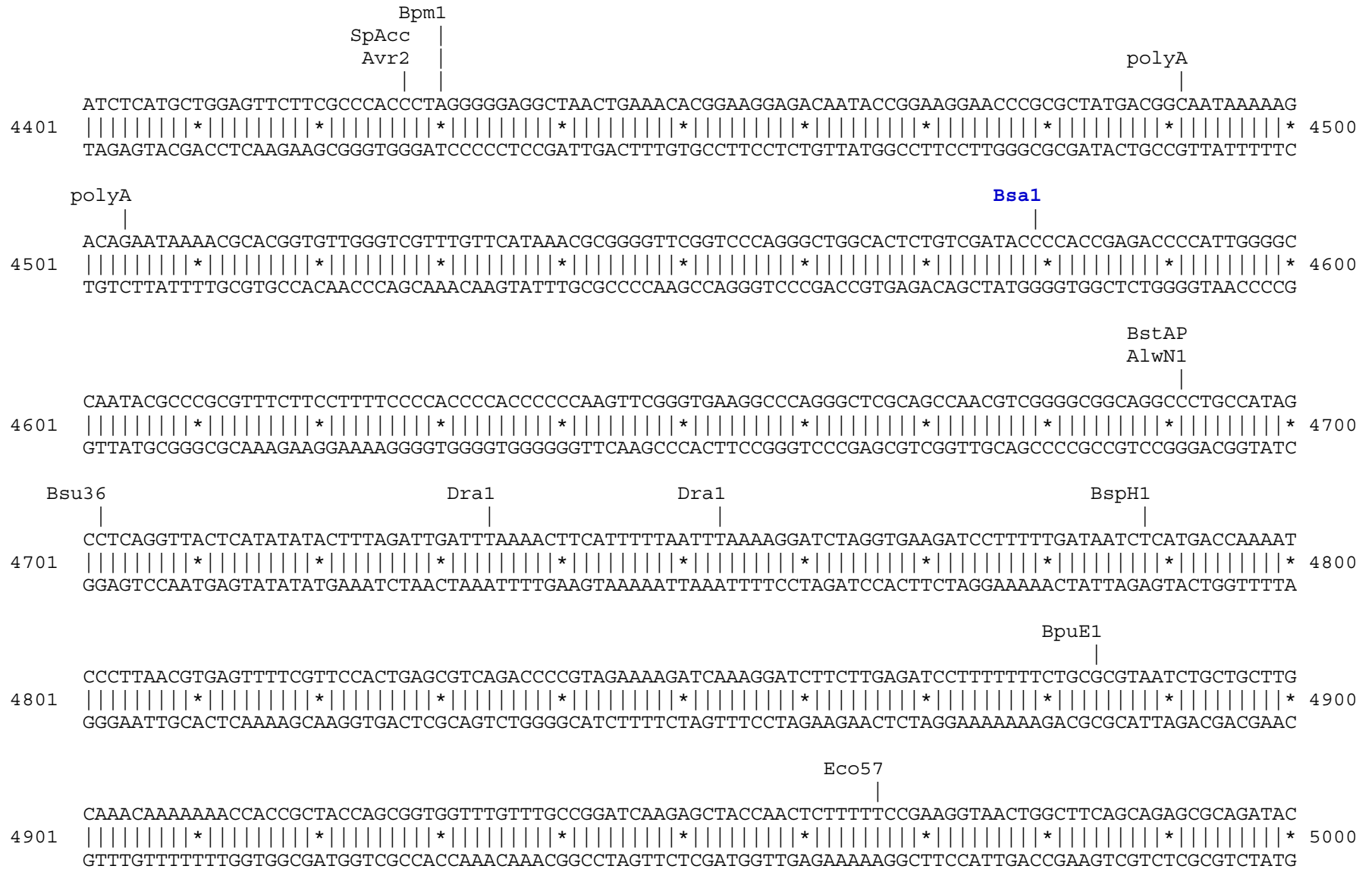
                                     Sap1
                                     Ear1
                                     BpuE1
                                     Sph1
3901  GGATGGAAGCCGGTCTTGTTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGCTCGCGCCAGCCGAAGTGTTCGCCAGGCTCAAGGCCGAGCATGCCCGA
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 4000
      CCTACCTTCGGCCAGAACAGCTAGTCCTACTAGACCTGCTTCTCGTAGTCCCCGAGCGCGGTTCGGCTTGACAAGCGGTCCGAGTTCGGCTCGTACGGGCT

                                     Nco1
                                     BtgZ1
                                     BseY1
                                     Nae1
                                     NgoM4
4001  CGGCGAGGATCTCGTCGTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTTTTCTGGATTTCATCGACTGTGGCCGGCTGGGT
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 4100
      GCCGCTCTAGAGCAGCACTGGGTACCGCTACGGACGAACGGCTTATAGTACCACCTTTTACCGGCGAAAAGACCTAAGTAGCTGACACCGGCCGACCCA

                                     Rsr2
                                     Eci1
                                     Sap1
                                     Ear1
                                     Eco57
                                     BssS1
4101  GTGGCGGACCGCTATCAGGACATAGCGTTGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTTCTCTCGTGCTTTACGGTATCG
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 4200
      CACCGCTGGCGATAGTCCTGTATCGCAACCGATGGGCACTATAACGACTTCTCGAACCGCCGCTTACCCGACTGGCGAAGGAGCACGAAATGCCATAGC

                                     BtgZ1
                                     BsrB1
                                     BsrB1
                                     BstB1
4201  CCGCTCCCGATTTCGAGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTGAGCGGGACTCTGGGGTTCGAAATGACCGACCAAGCGACGCCCAAC
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 4300
      GGCGAGGGCTAAGCGTCGCGTAGCGGAAGATAGCGGAAGAACTGCTCAAGAAGACTCGCCCTGAGACCCCAAGCTTTACTGGCTGGTTTCGCTGCGGGTTG

                                     BssS1
                                     BspM1
                                     BfuA1
                                     SpAcc
                                     Nae1
                                     NgoM4
                                     Bpm1
4301  CTGCCATCACGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGGTTGGGCTTTCGGAATCGTTTTCCGGGACGCCGGCTGGATGATCCTCCAGCGCGGGG
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 4400
      GACGGTAGTGCTCTAAAGCTAAGGTGGCGGCGGAAGATACTTTCCAACCCGAAGCCTTAGCAAAAGGCCCTGCGGCCGACCTACTAGGAGGTTCGCGCCCC
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                SpAcc                      AlwN1
                |                          |
5001  CAAATACTGTCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGC
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5100
      GTTTATGACAGGAAGATCACATCGGCATCAATCCGGTGGTGAAGTTCTTGAGACATCGTGGCGGATGTATGGAGCGAGACGATTAGGACAATGGTCACCG

                BpuE1                      ApaL1
                |                          |
5101  TGCTGCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTTCGGGCTGAACGGGGGGTTTCGTGCACA
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5200
      ACGACGGTCAACCGTATTTCAGCACAGAATGGCCCAACCTGAGTTCTGCTATCAATGGCCTATTCCGCGTCGCCAGCCCCGACTTGCCCCCAAGCACGTGT

BseY1                      SpAcc
|                          |
5201  CAGCCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGAAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGT
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5300
      GTCGGGTCGAACCTCGCTTGCTGGATGTGGCTTACTCTATGGATGTCGCACTCGATACTCTTTTCGCGGTGCGAAGGGCTTCCCTCTTTCCGCTGTCCA

                BciV1                      BssS1                      SpAcc
                |      |                      |                          |
5301  ATCCGGTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTTCCAGGGGGAAAACGCCTGGTATCTTTATAGTCCTGTTCGGGTTTCGCCACCTCTG
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5400
      TAGGCCATTCGCCGTCCCAGCCTTGTCTCTCGCGTGCTCCCTCGAAGGTCCCCCTTTGCGGACCATAGAAAATATCAGGACAGCCCCAAAGCGGTGGAGAC

                Drd1                      BpuE1                      SpAcc                      Eci1
                |      |                      |      |                      |                          |
5401  ACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGCGGAGCCTATGGAAAAACGCCAGCAACCGCGCCTTTTTACGGTTCCTGGCCTTTTGCTGGCCT
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5500
      TGAACTCGCAGCTAAAAAACAATACGAGCAGTCCCCCGCCTCGGATACCTTTTTTGCGGTGCTTGCGCCGAAAAAATGCCAAGGACCGGAAAAACGACCGGA

                SpDon                      BspLU                      Nsi1                      BfrB1
                |      |                      |      |                      |      |                      |
5501  TTTGCTCACATGTTCTTCTCGGTTATCCCCTGATTCTGTGGATAACCGTATTACCGCCATGCAT
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5566
      AAACGAGTGTACAAGAAAGGACGCAATAGGGGACTAAGACACCTATTGGCATAATGGCGGTACGTA
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Found:

Aat2	<b>Afe1</b>	<b>Afl2</b>	Age1	Ale1	AlwN1	<b>ApaL1</b>	<b>Ase1</b>	Avr2	<b>BamH1</b>	<b>Bcg1a</b>	<b>Bcg1b</b>	BciV1	BfrB1
BfuA1	Bgl1	Bmr1	Bpm1	Bpu10	BpuE1	<b>Bsa1</b>	BsaB1	<b>BsaXa</b>	<b>BsaXb</b>	BseR1	BseY1	Bsg1	Bsm1
<b>BsmB1</b>	<b>BspE1</b>	BspH1	<b>BspLU</b>	BspM1	BsrB1	BsrD1	<b>BsrG1</b>	BssH2	BssS1	BstAP	<b>BstB1</b>	<b>BstX1</b>	Bsu36
BtgZ1	<b>Bts1</b>	<b>Clal</b>	Dra1	<b>Dra3</b>	Drd1	Eag1	Ear1	Eci1	Eco57	Fsp1	<b>Hpa1</b>	<b>Kas1</b>	<b>Mfe1</b>
Msc1	Nae1	<b>Nar1</b>	Nco1	<b>Nde1</b>	NgoM4	<b>Nhe1</b>	<b>Not1</b>	Nsi1	PflF1	PflM1	polyA	Psi1	Pvu2
		Rsr2	Sap1	<b>SexA1</b>	<b>Sfi1</b>	<b>SnaB1</b>	SpAcc	SpDon	Sph1	Ssp1	<b>Stu1</b>	<b>Xba1</b>	<b>Xmn1</b>

Unique:

<b>Afe1</b>	<b>Afl2</b>	<b>ApaL1</b>	<b>Ase1</b>	<b>BamH1</b>	<b>Bcg1a</b>	<b>Bcg1b</b>	<b>Bsa1</b>	<b>BsaXa</b>	<b>BsaXb</b>	<b>BsmB1</b>	<b>BspE1</b>	<b>BspLU</b>	<b>BsrG1</b>
<b>BstB1</b>	<b>BstX1</b>	<b>Bts1</b>	<b>Clal</b>	<b>Dra3</b>	<b>Hpa1</b>	<b>Kas1</b>	<b>Mfe1</b>	<b>Nar1</b>	<b>Nde1</b>	<b>Nhe1</b>	<b>Not1</b>	<b>SexA1</b>	<b>Sfi1</b>
<b>SnaB1</b>	<b>Stu1</b>	<b>Xba1</b>	<b>Xmn1</b>										

**Not found:**

Aar1 Acc65 Acl1 Ahd1 Apa1 Asc1 AsiS1 Bae1a Bae1b Bbs1 BbvC1 Bcl1 Bgl2 Blp1  
BmgB1 BsiW1 BstE2 BstZ1 \_Chi EcoK EcoN1 EcoR1 EcoRV ScFRT Fse1 FspA1 Hind3 I\_Ceu  
Kpn1 loxP Mlu1 Nru1 Pac1 Pme1 Pml1 PshA1 PspOM Pst1 Pvu1 Sac1 Sac2 Sal1  
SanD1 Sbf1 Sca1 Sgf1 SgrA1 Sma1 Spe1 Srf1 Swa1 T3RNA T7RNA T7Ter PISce Xcm1  
Xho1

**Excluded by site complexity:**

Acc1 Aci1 Afl3 Alu1 Alw1 Apo1 Ava1 Ava2 Ban1 Ban2 Bbv1 BceA1 Bfa1 Bme15  
BsaA1 BsaH1 BsaJ1 BsaW1 BseM2 BsiE1 BsiH1 Bsl1 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 Tfi1 Tse1 Tsp45 Tsp50  
TspR1