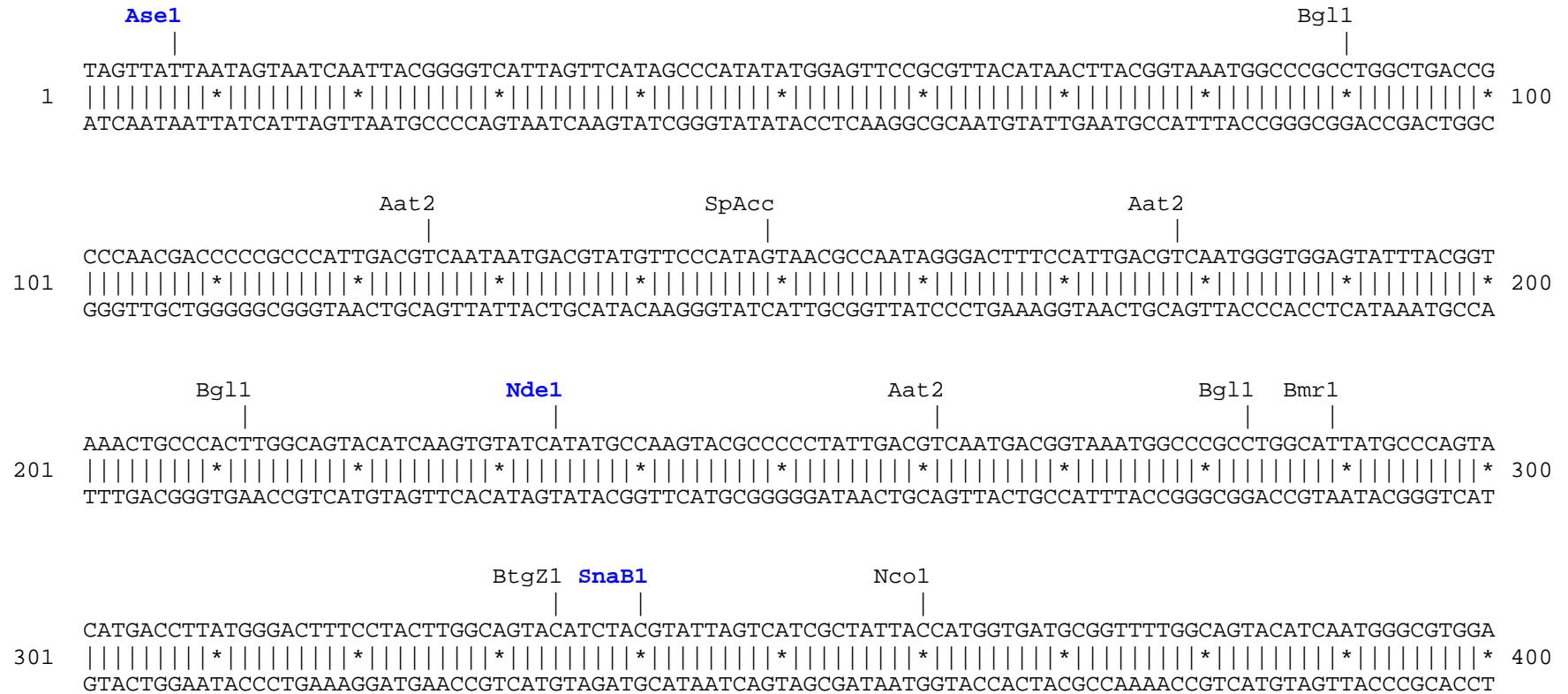


pPA-TagRFP-H2B vector restriction map

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 base pairs 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).

PA-TagRFP amino acids are shown in red, H2B amino acids are shown in green, linker amino acids are shown in black.




```

          polyA                polyA      Bts1  Bsm1                            Af12
          |                    |          |  |                                 |
1901 GGTTACAAATAAAGCAATAGCATCACAAATTTTACAAATAAAGCATTNTTTTTCTACTGCATTCTAGTTGTGGTTTTGTCCAAACTCATCAATGTATCTTAAG 2000
       |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||
       CCAATGTTTATTTTCGTTATCGTAGTGTTTAAAGTGTATTTTCGTAAAAAAAGTGACGTAAGATCAACACCAAACAGGTTTGTAGTAGTTACATAGAATTC

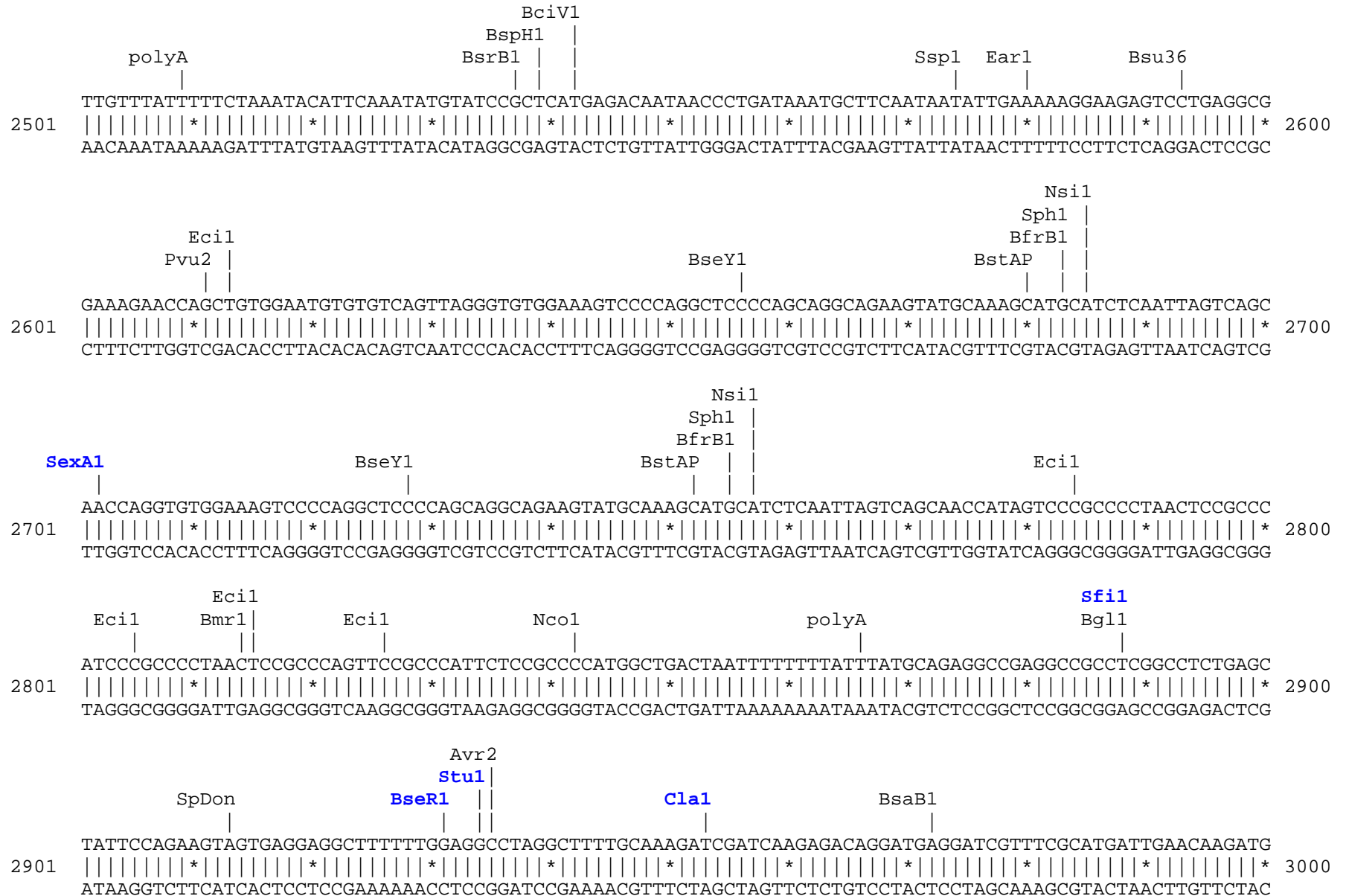
          SpDon      Ssp1
          |          |
2001 GCGTAAATTTGTAAGCGTTAATAATTTTGTAAAATTCGCGTTAAATTTTGTAAAATCAGCTCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTT 2100
       |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||
       CGCATTTAACATTTCGCAATTATAAAACAATTTTAAGCGCAATTTAAAAACAATTTAGTCGAGTAAAAAATTGGTTTATCCGGCTTTAGCCGTTTATAGGGAA

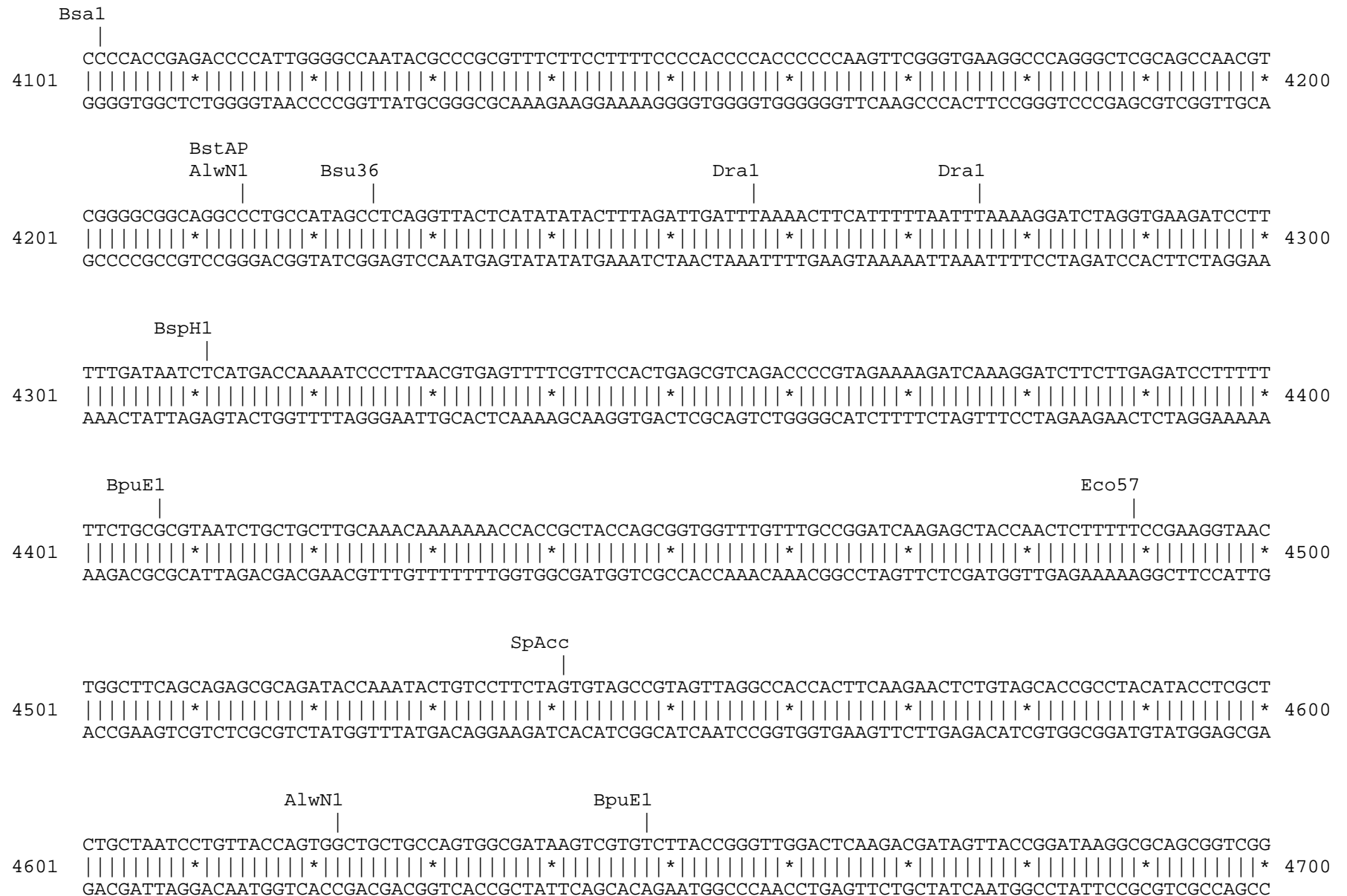
          Psil                                BsaXb                          Drd1      BsaXa
          |                               |                             |          |          |
2101 ATAAATCAAAAGAATAGACCGGATAGGGTTGAGTGTGTTCAGTTTGGAAACAAGAGTCCACTATTAAGAACGTGGACTCCAACGTCAAAGGGCGAAA 2200
       |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||
       TATTTAGTTTTCTTATCTGGCTCTATCCCAACTCACAAACAAGGTCAAACCTTGTTCTCAGGTGATAATTTCTTGCACCTGAGGTTGCAGTTTCCCGCTTT

                                 BtgZ1
                                 |
                                 Dra3
                                 ||
2201 AACCGTCTATCAGGGCGATGGCCCACTACGTGAACCATCACCCATAATCAAGTTTTTTTTGGGGTCGAGGTGCCGTAAAGCACTAAATCGGAACCCCTAAAGGG 2300
       |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||
       TTGGCAGATAGTCCCGCTACCGGTTGATGCACTTGGTAGTGGGATTAGTTCAAAAAACCCAGCTCCACGGCATTTCGTGATTTAGCCTTGGGATTTCCC

                                 Nae1
                                 |
                                 NgoM4
                                 ||
2301 AGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGAAGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAG 2400
       |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||
       TCGGGGGCTAAATCTCGAACTGCCCTTTTCGGCCGCTTGCAACCGCTCTTTCCTTCCCTTCTTTTCGCTTTTCTCGCCCGGATCCCGCGACCGTTTCACATC

                                 Nae1
                                 |
                                 NgoM4
                                 ||
2401 CGGTCACGCTGCGCGTAACCACCACACCCGCCGCGCTTAATGCGCCGCTACAGGGCGCGTCAGGTGGCACTTTTTCGGGGAAATGTGCGCGGAACCCCTAT 2500
       |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||
       GCCAGTGCGACGCGCATTGGTGGTGTGGGCGGGCGGAATTACGCGCGGATGTCGCCGCGCAGTCCACCGTGAAAAGCCCTTTACACGCGCCTTGGGGATA
  
```





Found:

Aar1	Aat2	Acc65	Afe1	Afl2	Age1	AlwN1	ApaL1	Ase1	Avr2	BamH1	Bbs1	BciV1	BfrB1
Bgl1	Bgl2	Bmr1	Bpm1	Bpu10	BpuE1	Bsa1	BsaB1	BsaXa	BsaXb	BseR1	BseY1	Bsm1	BsrD1
BsrG1	BssS1	BstAP	BstB1	BstX1	BspH1	BspLU	BspM1	BsrB1	Bsu36	BtgZ1	Bts1	Clal	Dra1
Dra3	Drd1	Eag1	Ear1	Ecil	Ecl2	Eco57	EcoR1	Fsp1	Hind3	Hpa1	Kas1	Kpn1	Mfe1
Msc1	Nae1	Nar1	Nco1	Nde1	NgoM4	Nhe1	Not1	Nsi1	Pac1	PflF1	polyA	Psi1	Pst1
Pvu2	Rsr2	Sac1	Sall	Sap1	SexA1	Sfil	SnaB1	SpAcc	SpDon	Sph1	Ssp1	Stu1	Xba1
Xho1													

Unique:

Aar1	Acc65	Afl2	Age1	Ase1	BamH1	Bbs1	Bgl2	Bpu10	BsaXa	BsaXb	BseR1	BsrD1	BstX1
BspLU	Bts1	Clal	Ecl2	Fsp1	Hpa1	Kas1	Kpn1	Mfe1	Nar1	Nde1	Nhe1	Not1	Pac1
PflF1	Pst1	Rsr2	Sac1	SexA1	Sfil	SnaB1	Stu1	Xba1	Xho1				

Not found:

Acl1	Ahd1	Ale1	Apa1	Asc1	AsiS1	Baela	Baelb	BbvC1	Bcgl1a	Bcgl1b	Bcl1	Blp1	BmgB1
Bsg1	BsiW1	BsmB1	BspE1	BssH2	BstE2	BstZ1	BxatB	BxatL	BxatR	BxatP	_Chi	EcoK	EcoN1
EcoRV	FCatB	FCatL	FCatR	FCatP	ScFRT	Fse1	FspA1	I_Ceu	loxP	Mlu1	Nru1	PflM1	Pme1
Pml1	PshA1	PspOM	Pvu1	R4atB	R4atL	R4atP	R4atR	Sac2	SanD1	Sbf1	Sca1	Sgf1	SgrA1
Sma1	Spe1	Srf1	Swa1	T3RNA	T7RNA	T7Ter	PISce	Xcm1	Xmn1				

Excluded by site complexity:

Acc1	Acil	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	BsrF1
BssK1	BstF5	BstN1	BstU1	BstY1	Bsr1	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													