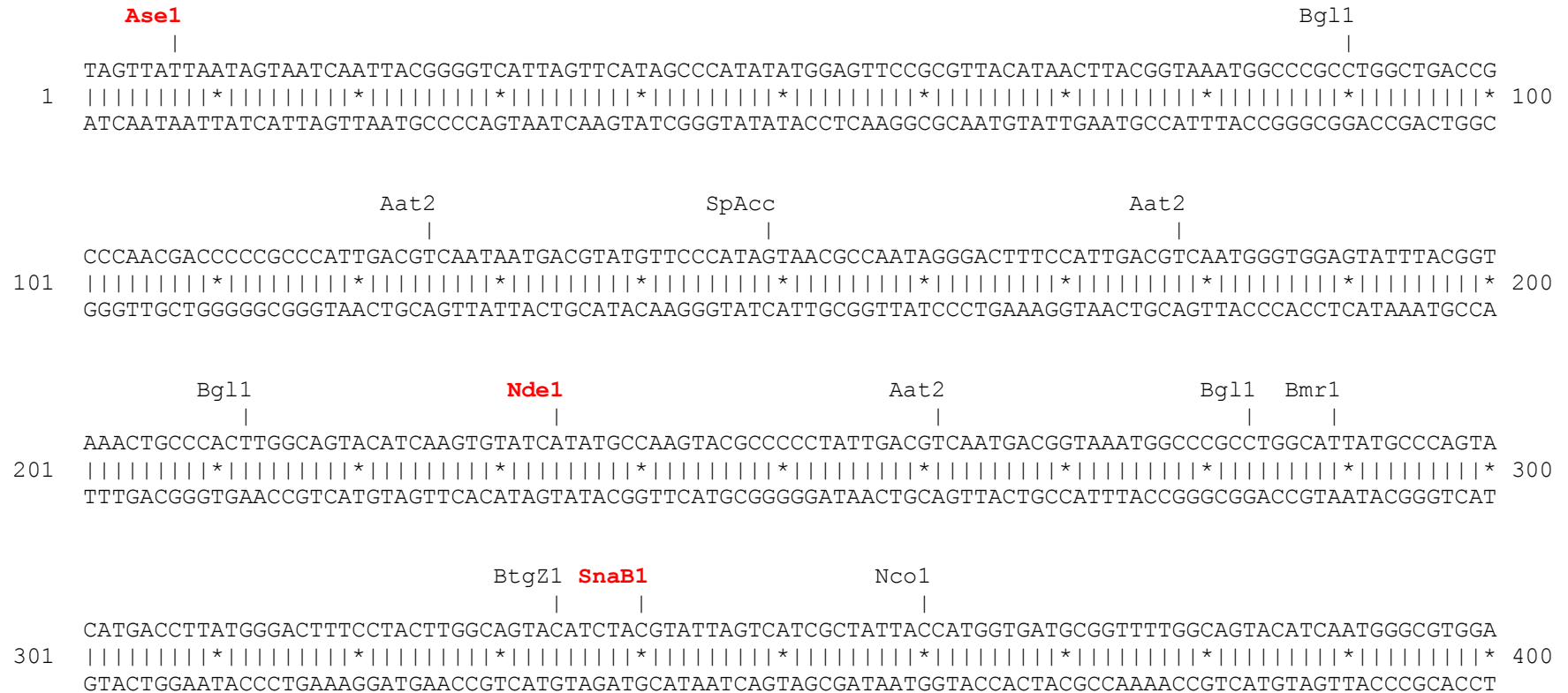
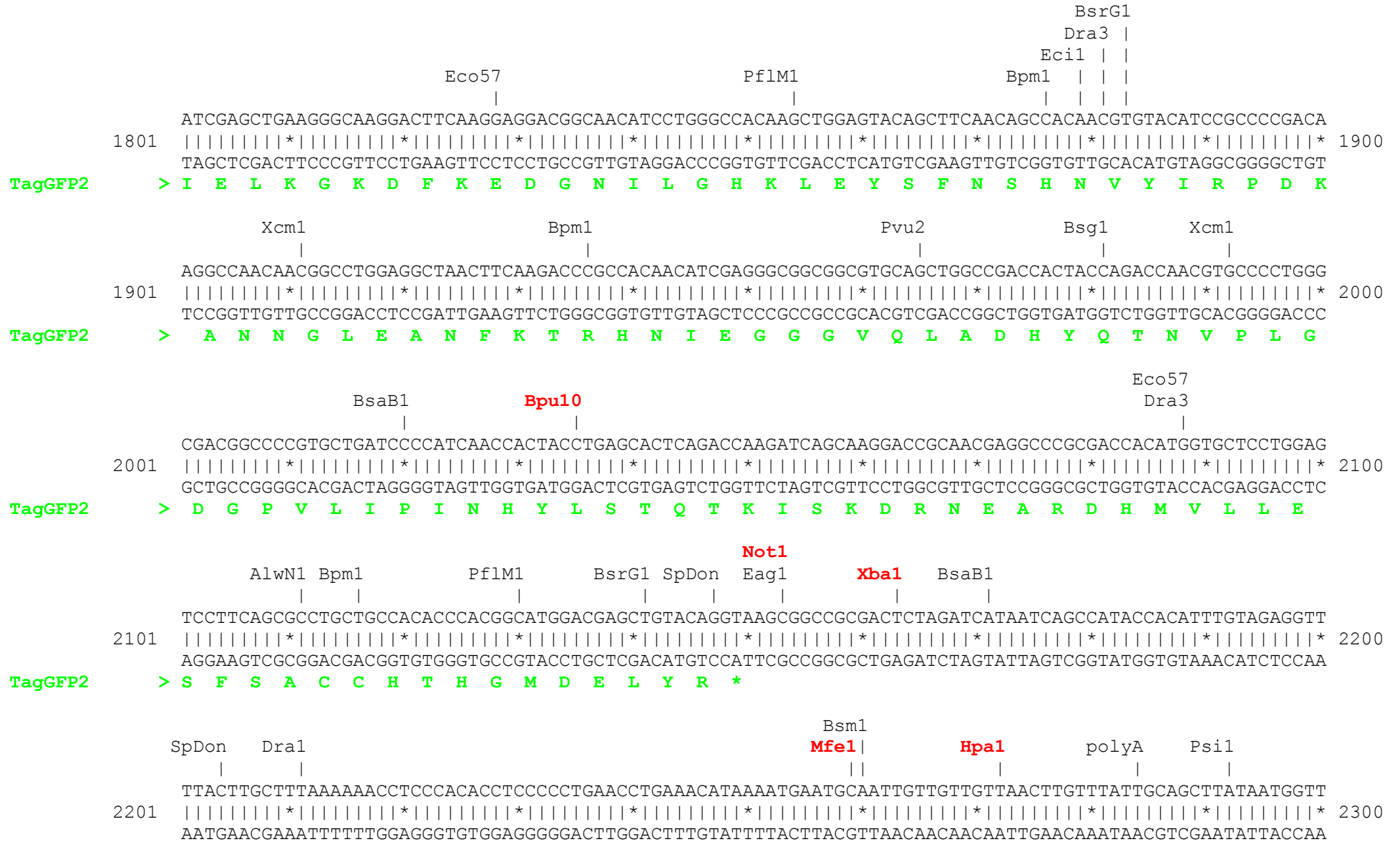


pCasper3-BG vector restriction map

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 red. The location given specifies the 3' end of the cut DNA (the base to the left of the cut site). TagBFP amino acids are shown in blue, TagGFP2 amino acids are shown in green, Linker amino acids are shown in black.






```
          polyA          polyA                                   Bsa1
          |              |                                       |
4401  CTATGACGGCAATAAAAAAGACAGAATAAAACGCACGGTGTGGGTCGTTTGTTCATAAACCGGGGTTCGGTCCCAGGGCTGGCACTCTGTTCGATACCCC
      |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 4500
      GATACTGCCGTTATTTTTCTGTCTTATTTTGCCTGCCACAACCCAGCAAACAAGTATTTGCGCCCCAAGCCAGGGTCCCAGCCGTGAGACAGCTATGGGG

      ACCGAGACCCCATTTGGGGCCAATACGCCCGCGTTTCTTCCTTTTCCCCACCCCAAGTTCGGGTGAAGGCCCAAGGGCTCGCAGCCAACGTTCGGG
4501  |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 4600
      TGGCTCTGGGGTAACCCCGGTTATGCGGGCGCAAAGAAGGAAAAGGGGTGGGGTGGGGGTTCAAGCCCCTTCCGGGTCCCAGCGTTCGGTTGCAGCCC

          BstAP
          AlwN1          Bsu36                                DraI          DraI
          |              |              |              |              |
4601  GCGGCAGGCCCTGCCATAGCCTCAGGTACTCATATATACTTTAGATTGATTTAAAACCTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTTG
      |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 4700
      CGCCGTCCGGGACGGTATCGGAGTCCAATGAGTATATATGAAATCTAACTAAATTTTGAAGTAAAAATTAATTTTCTAGATCCACTTCTAGGAAAAAC

          BspH1
          |
4701  ATAATCTCATGACCAAAATCCCTTAACGTGAGTTTTCGTTCCTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTCT
      |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 4800
      TATTAGAGTACTGGTTTTAGGGAATTGCACTCAAAGCAAGGTGACTCGCAGTCTGGGGCATCTTTTCTAGTTTCTTAGAAGAAGTCTAGGAAAAAAGA

          BpuE1
          |
4801  GCGCGTAATCTGCTGCTTGCAAAACAAAAAACCACCGCTACCAGCGGTGGTTTTGTTTGCCGGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAAGTGGC
      |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 4900
      CGCGCATTAGACGACGAACGTTTGTTTTTTTGGTGGCGATGGTGCACCAAAACAAACGGCCTAGTTCTCGATGGTTGAGAAAAGGCTTCCATTGACCG

          SpAcc
          |
4901  TTCAGCAGAGCGCAGATACCAAATACTGTCCCTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACATACCTCGCTCTGC
      |||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||*|||||||||* 5000
      AAGTCGTCTCGCGTCTATGGTTTATGACAGGAAGATCACATCGGCATCAATCCGGTGGTGAAGTTCTTGAGACATCGTGGCGGATGTATGGAGCGAGACG
```


Found:

Aat2	Acc65	Afe1	Afl2	Age1	Ale1	AlwN1	Apa1	ApaL1	Ase1	Avr2	BamH1	Bbs1	BciV1
BfrB1	BfuA1	Bgl1	Bgl2	BmgB1	Bmr1	Bpm1	Bpu10	BpuE1	Bsa1	BsaB1	BsaXa	BsaXb	BseR1
BseY1	Bsg1	Bsm1	BsmB1	BspH1	BspLU	BspM1	BsrB1	BsrD1	BsrG1	BssS1	BstAP	BstB1	BstE2
Bsu36	BtgZ1	Bts1	Clal	Dra1	Dra3	Drd1	Eag1	Ear1	Eci1	Ecl2	Eco57	EcoK	EcoR1
Fsp1	Hind3	Hpa1	Kas1	Kpn1	Mfe1	Msc1	Nae1	Nar1	Nco1	Nde1	NgoM4	Nhe1	Not1
Nsi1	PflF1	PflM1	polyA	PshA1	Psi1	PspOM	Pst1	Pvu2	Rsr2	Sac1	Sac2	Sall1	Sap1
SexA1	Sfi1	Sma1	SnaB1	SpAcc	SpDon	Sph1	Ssp1	Stu1	Xba1	Xcm1	Xho1	Xmn1	

Unique:

Afe1	Afl2	Age1	Apa1	Ase1	BamH1	Bbs1	Bgl2	BmgB1	Bpu10	BsmB1	BspLU	BsrD1	BstE2
Clal	Ecl2	EcoK	Fsp1	Hpa1	Kas1	Mfe1	Nar1	Nde1	Nhe1	Not1	PflF1	PshA1	PspOM
Pst1	Rsr2	Sac1	Sall1	SexA1	Sfi1	Sma1	SnaB1	Xba1	Xho1	Xmn1			

Not found:

Aar1	Ac11	Ahd1	Asc1	AsiS1	Baela	Baelb	BbvC1	Bcg1a	Bcg1b	Bcl1	Blp1	BsiW1	BspE1
BssH2	BstX1	BstZ1	BxatB	BxatL	BxatR	BxatP	_Chi	EcoN1	EcoRV	FCatB	FCatL	FCatR	FCatP
ScFRT	Fse1	FspA1	I_Ceu	loxP	Mlu1	Nru1	Pac1	Pme1	Pml1	Pvu1	R4atB	R4atL	R4atP
R4atR	SanD1	Sbf1	Sca1	Sgf1	SgrA1	Spe1	Srf1	Swa1	T3RNA	T7RNA	T7Ter	PISce	

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	Tfi1	Tse1	Tsp45	Tsp50
TspR1													