


```

PflF1                               Eci1
|                                   |
CGACAACGTCCTATATCATGGCCGACAAGCAGAAGAACGGCATCAAGGCCAACTTCAAGATCCGCCACAACGTCGAGGACGGCAGCGTGCAGCTCGCCGAC
1001 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1100
GCTGTTGCAGATATAGTACCGGCTGTTTCGTCTTCTTGCCGTAGTTCCGGTTGAAGTTCTAGGCGGTGTTGCAGCTCCTGCCGTGCGACGTCGAGCGGCTG
HyPer > D N V 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

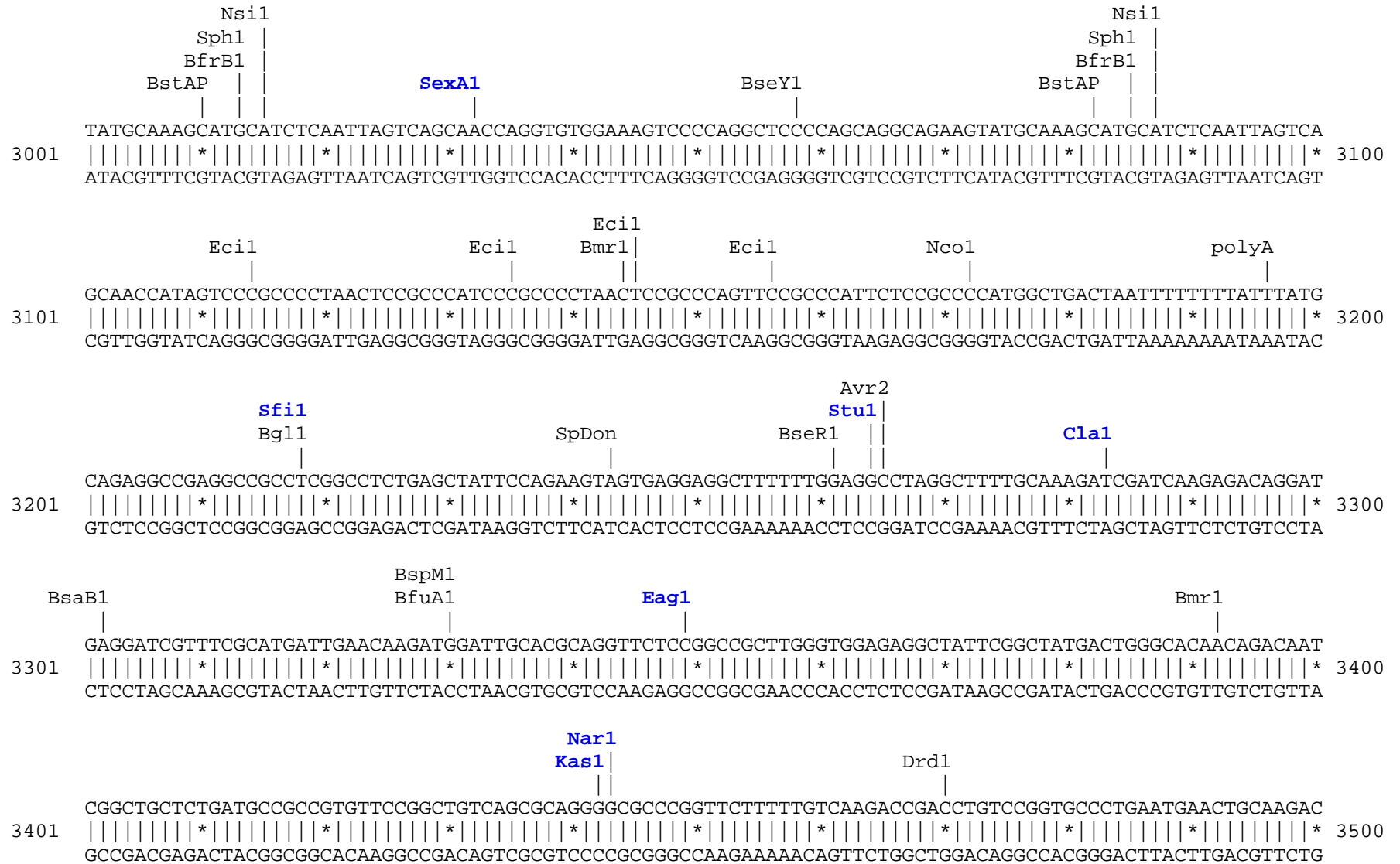
Bsg1                               Bpu10           Bpu10
|                                   |               |
CACTACCAGCAGAACACCCCCATCGGCGACGGCCCCGTGCTGCTGCCCCGACAACCACTACCTGAGCTTCCAGTCCGTCTGAGCAAAGACCCCAACGAGA
1101 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1200
GTGATGGTCGTCTTGTGGGGGTAGCCGCTGCCGGGGCACGACGACGGGCTGTTGGTGATGGACTCGAAGGTCAGGCAGGACTCGTTTCTGGGGTTGCTCT
HyPer > H Y Q 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

Bpm1                               BsrG1
|                                   |
AGCGCGATCACATGGTCCCTGCTGGAGTTCGTGACCGCCGCCGGGATCACTCTCGGCATGGACGAGCTGTACAACGTGGATGGCGGTAGCGGTGGCACCCGG
1201 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1300
TCGCGCTAGTGTACCAGGACGACCTCAAGCACTGGCGGGCGGCCCTAGTGAGAGCCGTACCTGCTCGACATGTTGCACCTACCGCCATCGCCACCGTGGCC
HyPer > R D 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

BseR1                               Ale1                               Bcg1a
|                                   |                                   |
CAGCAAGGGCGAGGAGCTGTTACCGGGGTGGTGCCCATCCTGGTTCGAGCTGGACGGCGACGTAAACGGCCACAAGTTCAGCGTGTCCGGCGAGGGCGAG
1301 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1400
GTCGTTCCCGCTCCTCGACAAGTGGCCCCACCACGGGTAGGACCAGCTCGACCTGCCGCTGCATTTGCCGGTGTTCAGTTCGCACAGGCCGCTCCCGCTC
HyPer > S K G 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

Bsg1                               Bcg1b                               BssS1
|                                   |               |               |               |
GGCGATGCCACCTACGGCAAGCTGACCCTGAAGCTGATCTGCACCACCGGCAAGCTGCCCGTGCCTGGCCCCACCCTCGTGACCACCTCGGCTACGGCC
1401 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1500
CCGCTACGGTGGATGCCGTTGACTGGGACTTCGACTAGACGTGGTGGCCGTTTCGACGGGCACGGGACCGGGTGGGAGCACTGGTGGGAGCCGATGCCGG
HyPer > G D A 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

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                                     BciV1
                                     |
      SpAcc                           Eci1   |                               BssS1
      |                               |       |                               |
5101 GCGTGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTTCGGAACAGGAGAGCGCACGAGGGAGCTT
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5200
      CGCACTCGATACTCTTTCGCGGTGCGAAGGGCTTCCCTCTTTCGCGCTGTCCATAGGCCATTCGCCGTCCCAGCCTTGTCTCTCGCGTGCTCCCTCGAA

                                     SpAcc                           Drd1           BpuE1           SpAcc
                                     |                               |               |               |
5201 CCAGGGGGAAACGCCTGGTATCTTTATAGTCCTGTCTGGGTTTTCGCCACCTCTGACTTGAGCGTTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTAT
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5300
      GGTCCCCCTTTGCGGACCATAGAAATATCAGGACAGCCCAAAGCGGTGGAGACTGAACTCGCAGCTAAAAAACTACGAGCAGTCCCCCGCCTCGGATA

                                     SpDon
                                     |
      Eci1                           BspLU
      |                               |
5301 GGAAAAACGCCAGCAACGCGCCTTTTTACGGTTCTTGGCCTTTTTGCTGGCCTTTTTGCTCACATGTTCTTTCTTCTGCGTTATCCCCTGATTCTGTGGATAA
      |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5400
      CCTTTTTGCGGTTCGTTGCGCCGGAAAAATGCCAAGGACCGAAAAACGACCGGAAAAACGAGTGTACAAGAAAGGACGCAATAGGGGACTAAGACACCTATT

                                     NsiI
      BfrB1 |
      |     |
5401 CCGTATTACCGCCATGCAT
      |||||*||||| 5419
      GGCATAATGGCGGTACGTA
```

Found:

| | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| Aat2 | Acc65 | Afe1 | Age1 | Ale1 | AlwN1 | Apal | ApaL1 | Ase1 | Avr2 | BamH1 | Bcgl1a | Bcgl1b | BciV1 |
| Bcl1 | BfrB1 | BfuA1 | Bgl1 | Bmr1 | Bpm1 | Bpu10 | BpuE1 | Bsa1 | BsaB1 | BsaXa | BsaXb | BseR1 | BseY1 |
| Bsg1 | Bsm1 | BsmB1 | BspE1 | BspH1 | BspLU | BspM1 | BsrB1 | BsrD1 | BsrG1 | BssS1 | BstAP | BstB1 | BstX1 |
| Bsu36 | BtgZ1 | Bts1 | Clal | Dra1 | Dra3 | Drd1 | Eag1 | Ear1 | Eci1 | Eco57 | EcoR1 | Fsp1 | Hind3 |
| Hpa1 | Kas1 | Kpn1 | Mfe1 | Mlu1 | Msc1 | Nae1 | Nar1 | Nco1 | Nde1 | NgoM4 | Nhe1 | Nsi1 | PflF1 |
| PflM1 | polyA | Psi1 | PspOM | Pst1 | Pvu2 | Rsr2 | Sac2 | Sal1 | Sap1 | SexA1 | Sfi1 | Sma1 | SnaB1 |
| SpAcc | SpDon | Sph1 | Ssp1 | Stu1 | Xba1 | Xcm1 | Xmn1 | | | | | | |

Unique:

| | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|------|-------|-------|-------|
| Acc65 | Afe1 | Age1 | Apal | ApaL1 | Ase1 | BamH1 | Bcgl1a | Bcgl1b | Bcl1 | Bsa1 | BsaXa | BsaXb | BsmB1 |
| BspE1 | BspLU | BsrG1 | BstX1 | Bts1 | Clal | Dra3 | Eag1 | EcoR1 | Hind3 | Hpa1 | Kas1 | Kpn1 | Mfe1 |
| Mlu1 | Nar1 | Nde1 | Nhe1 | PflM1 | PspOM | Pst1 | Sac2 | Sal1 | SexA1 | Sfi1 | Sma1 | SnaB1 | Stu1 |
| Xba1 | Xcm1 | Xmn1 | | | | | | | | | | | |

Not found:

| | | | | | | | | | | | | | |
|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|------|-------|-------|
| Aar1 | Ac11 | Afl2 | Ahd1 | Asc1 | AsiS1 | Baela | Baelb | Bbs1 | BbvC1 | Bgl2 | Blp1 | BmgB1 | BsiW1 |
| BssH2 | BstE2 | BstZ1 | _Chi | EcoK | EcoN1 | EcoRV | ScFRT | Fse1 | FspA1 | I_Ceu | loxP | Not1 | Nru1 |
| Pac1 | Pme1 | Pml1 | PshA1 | Pvu1 | Sac1 | SanD1 | Sbf1 | Sca1 | Sgf1 | SgrA1 | Spe1 | Srf1 | Swal |
| T3RNA | T7RNA | T7Ter | PISce | Xho1 | | | | | | | | | |

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 | 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 | | | | | | | | | | | | | |