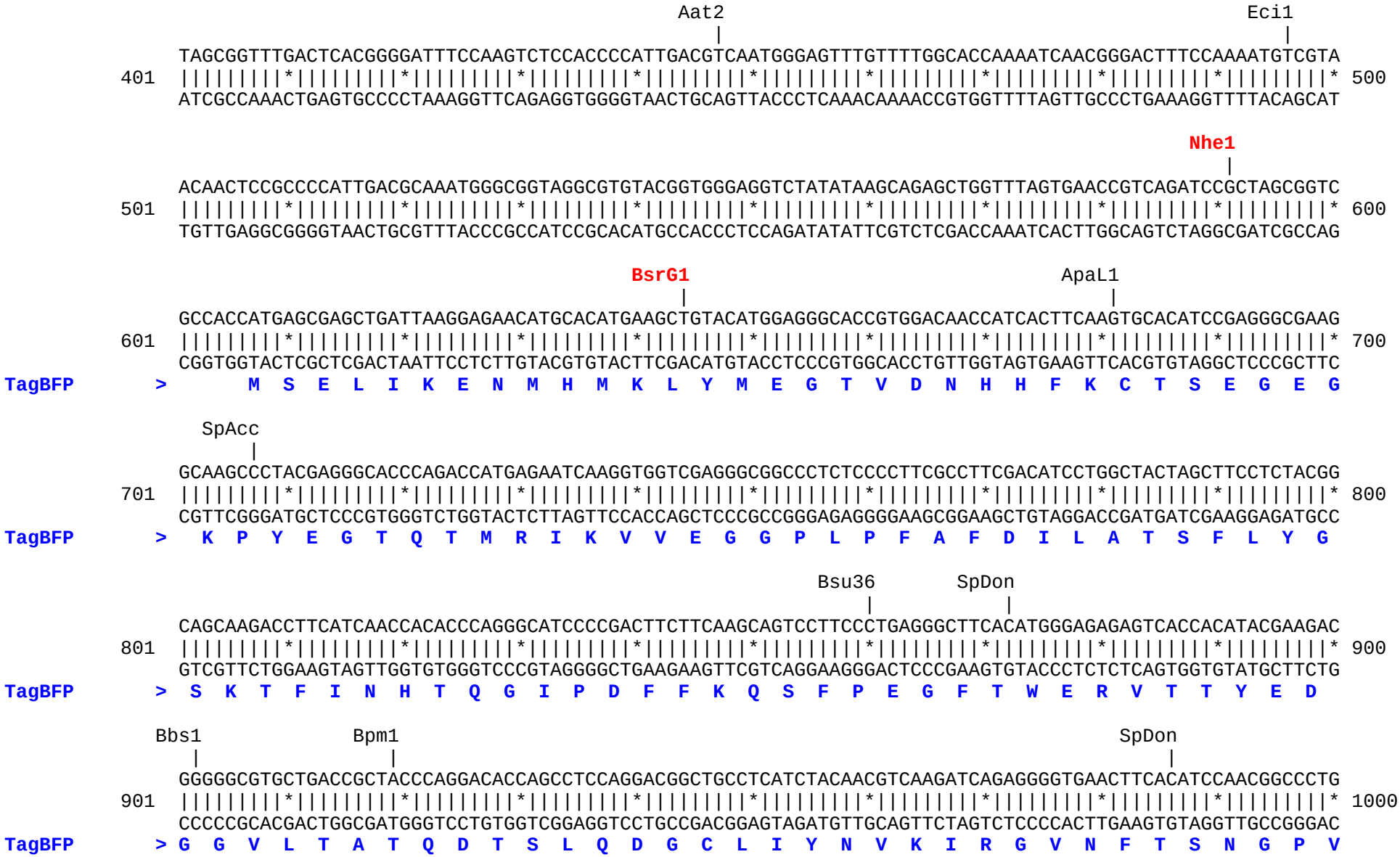
**pTagBFP-actin vector** restriction map.

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 bold blue, beta-Actin amino acids are shown in green, linker amino acids are shown in black.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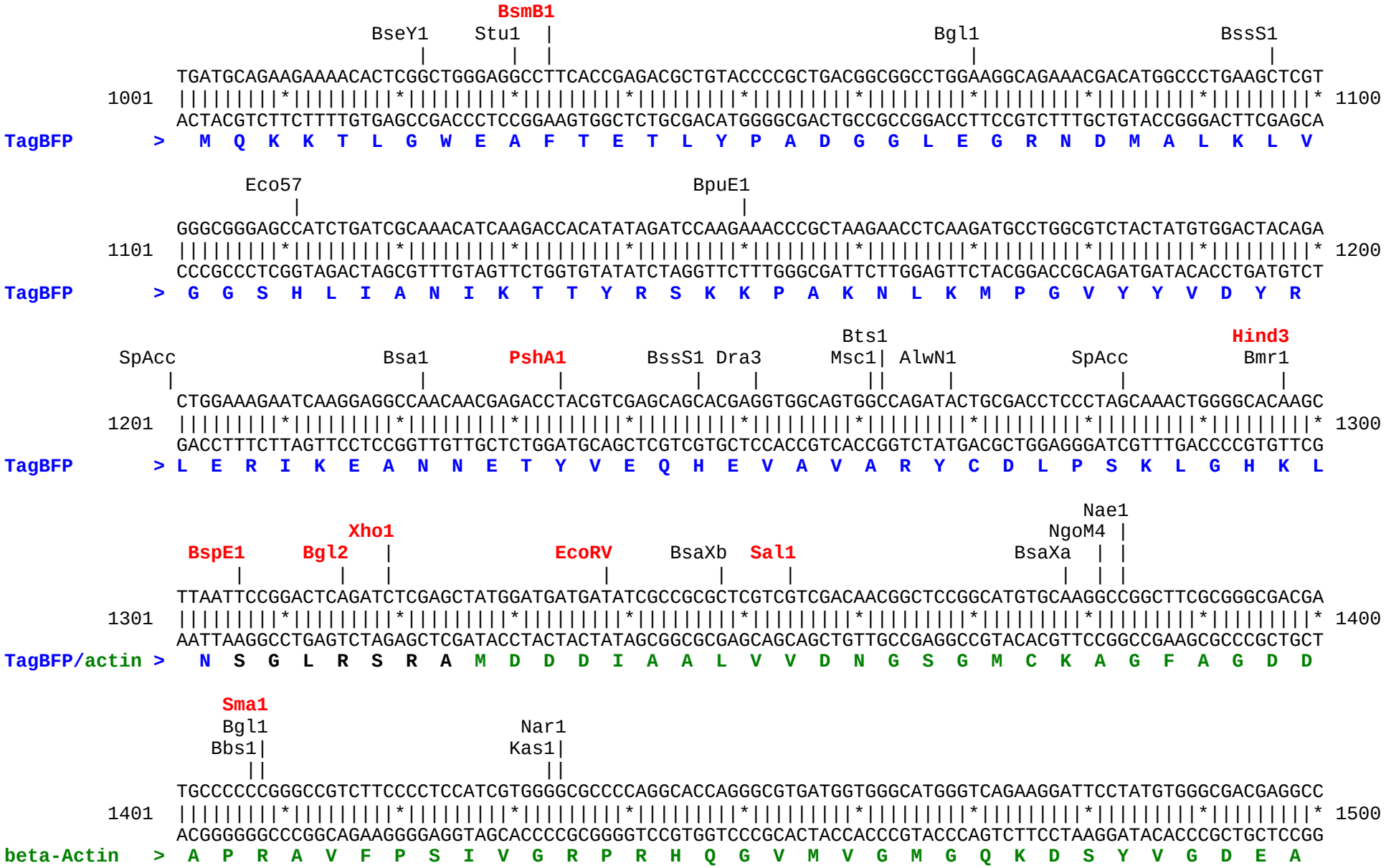
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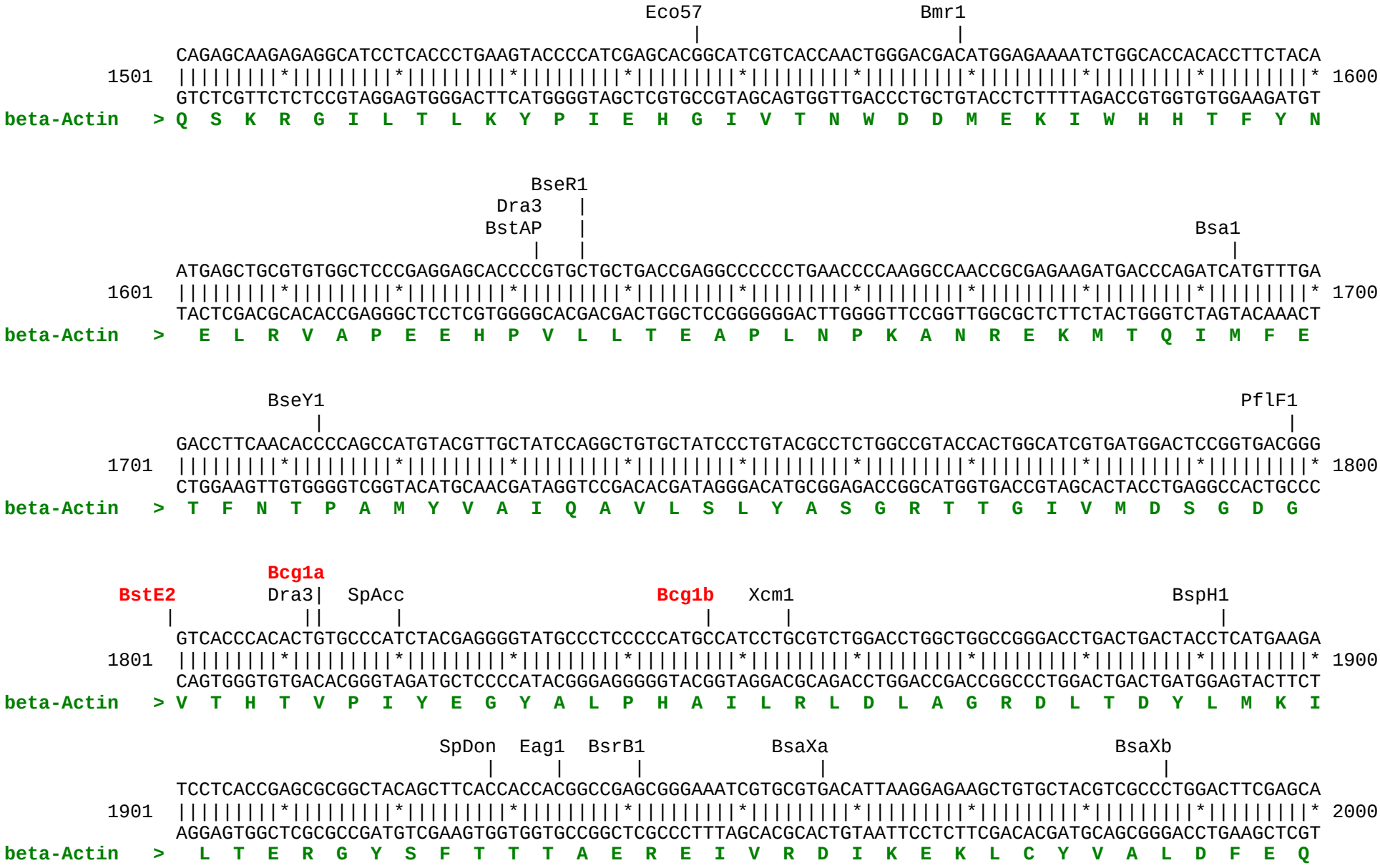
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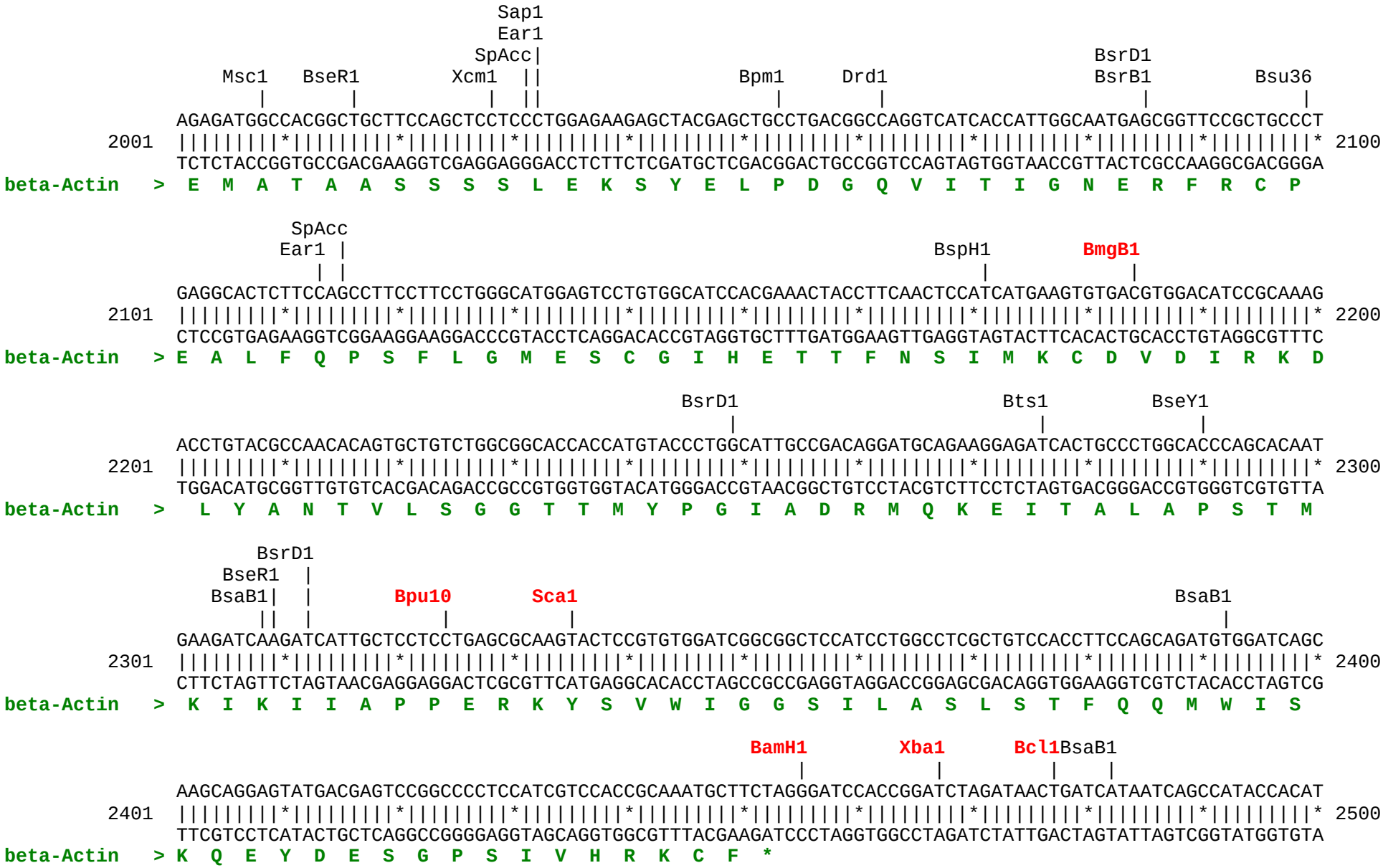
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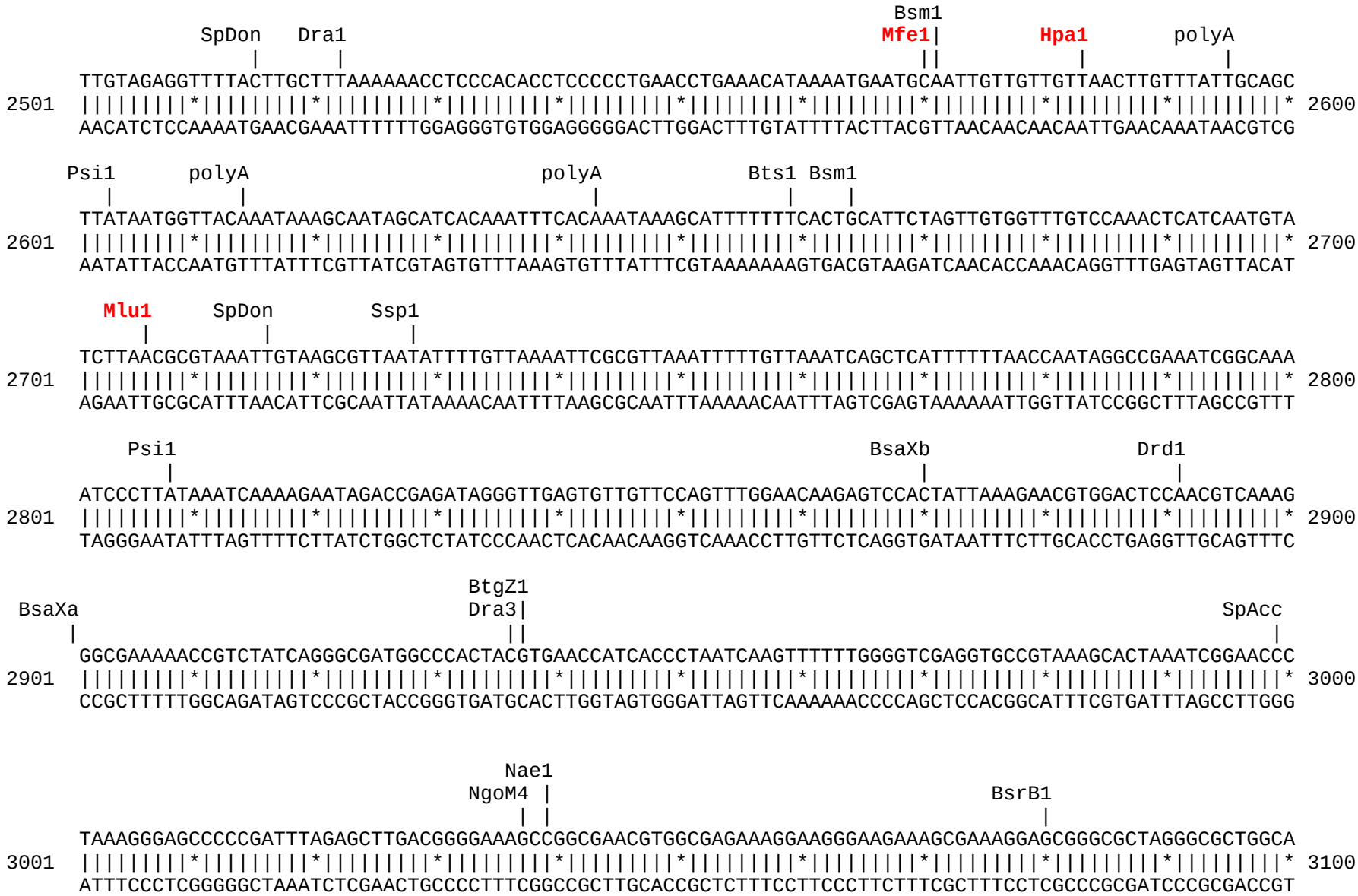
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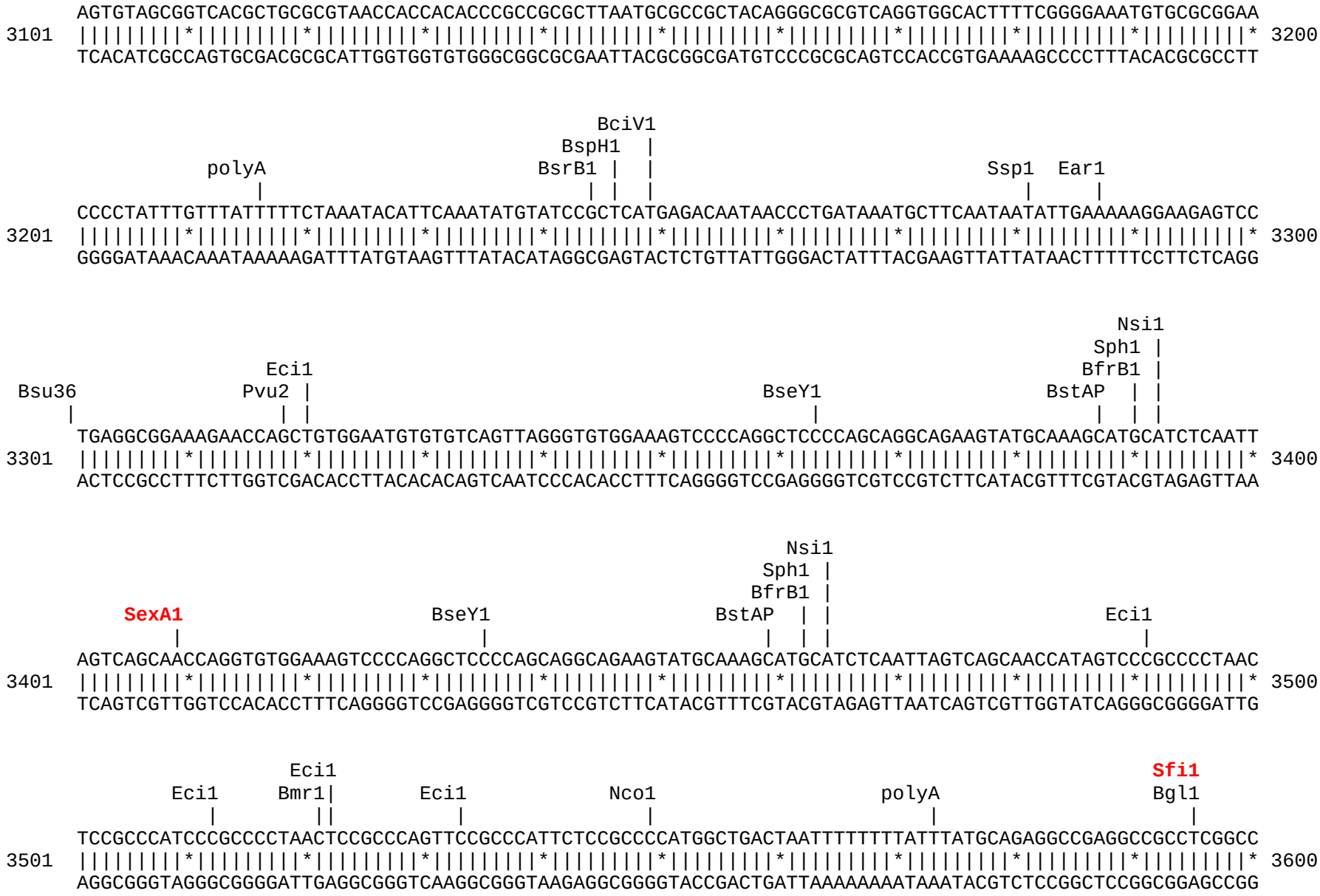
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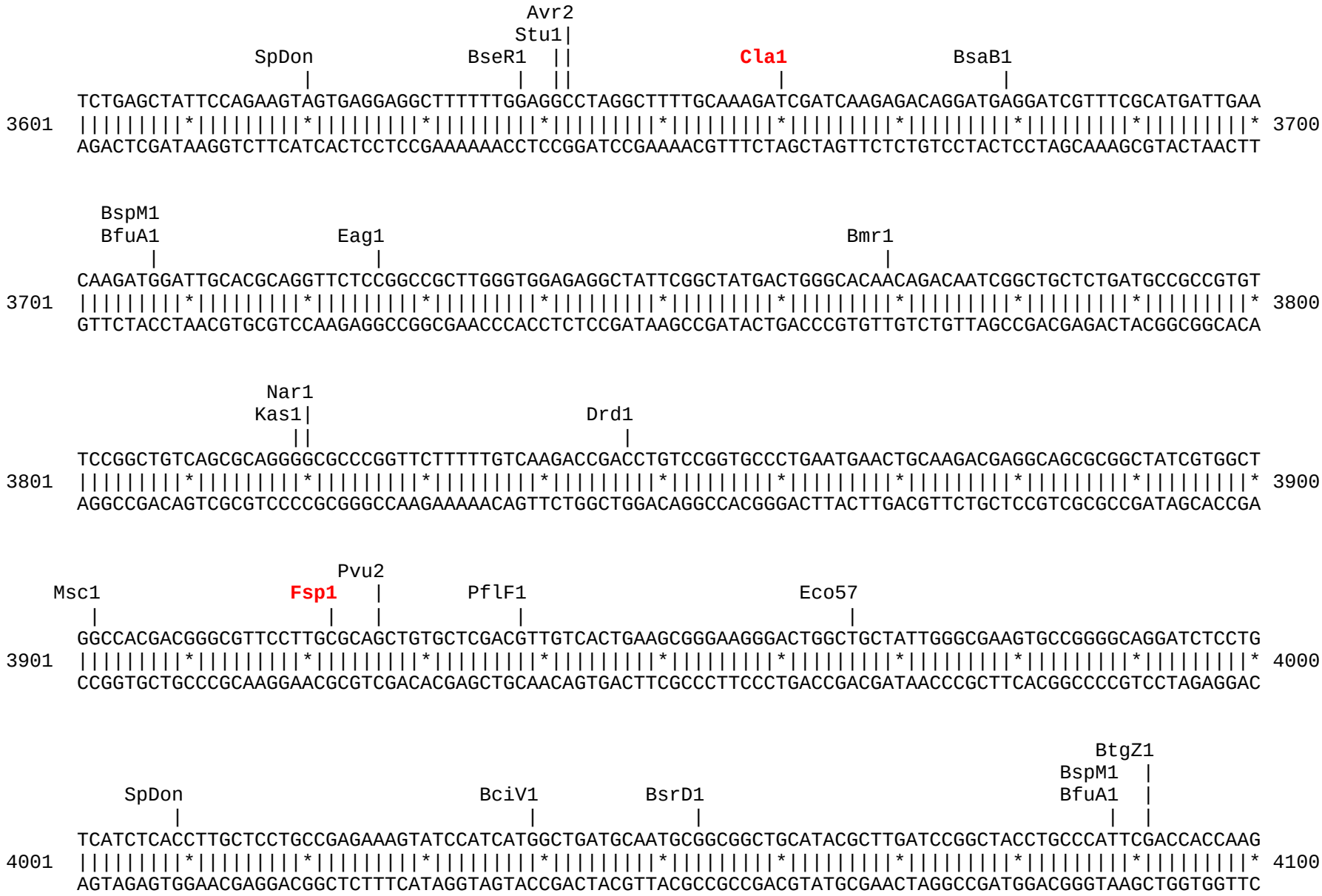
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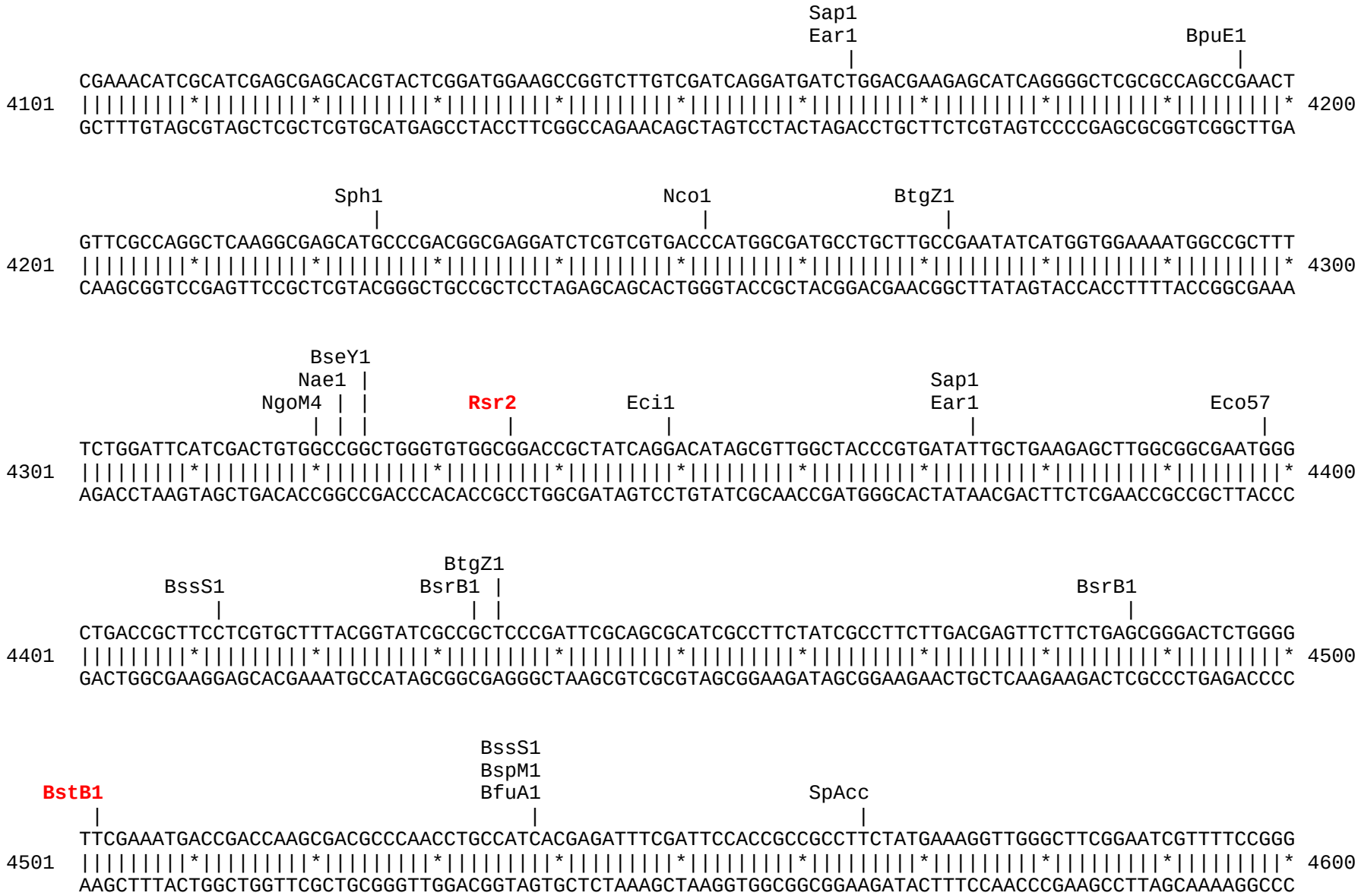
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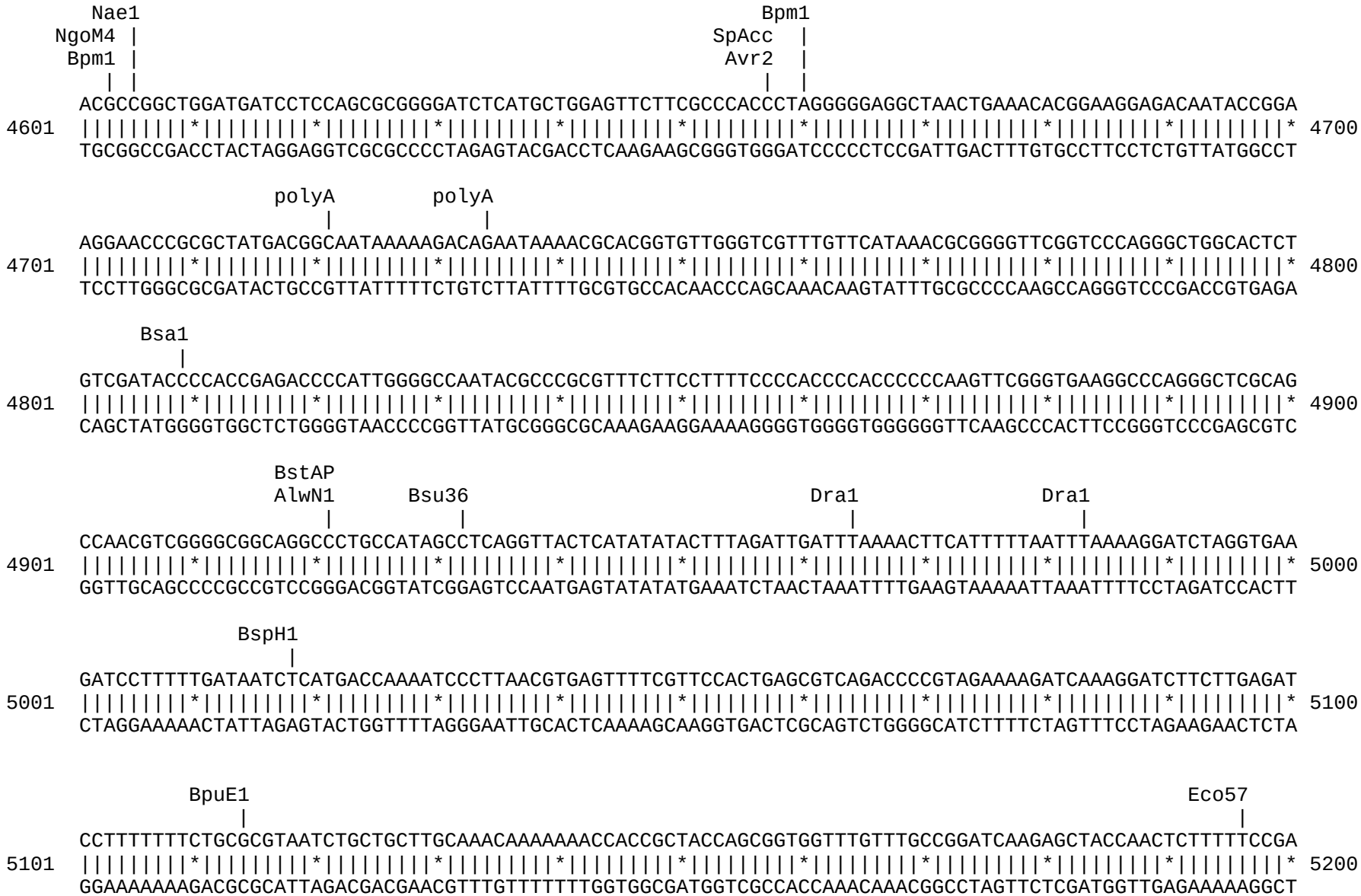
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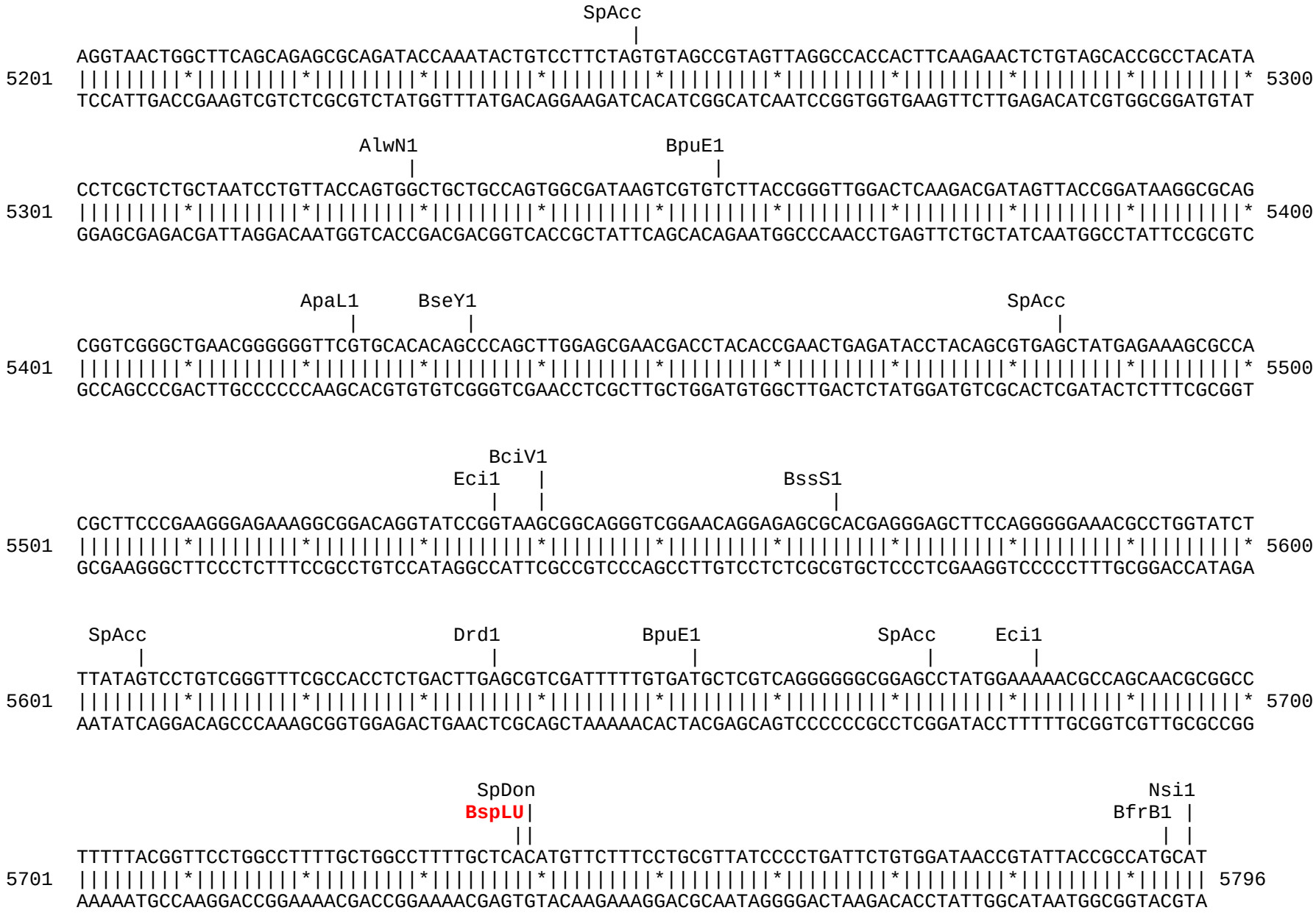
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5201
5300
TCCATTGACCGAAGTCGTCTCGCGTCTATGGTTTATGACAGGAAGATCACATCGGCATCAATCCGGTGGTGAAGTTCTTGAGACATCGTGGCGGATGTAT
AlwN1
BpuE1
CCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAG
5301
5400
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ApaL1
BseY1
SpAcc
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5401
5500
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BciV1
Eci1
BssS1
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5501
5600
GCGAAGGGCTTCCCTCTTTCCGCCTGTCCATAGGCCATTCGCCGTCCCAGCCTTGTCCTCTCGCGTGCTCCCTCGAAGGTCCCCCTTTGCGGACCATAGA
SpAcc
Drd1
BpuE1
SpAcc
Eci1
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5601
5700
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SpDon
BspLU
Nsi1
BfrB1
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5701
5796
AAAAATGCCAAGGACCGGAAAACGACCGGAAAACGAGTGTACAAGAAAGGACGCAATAGGGGACTAAGACACCTATTGGCATAATGGCGGTACGTA

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Found:

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aat2 | AlwN1 | ApaL1 | **Ase1** | Avr2 | **BamH1** | Bbs1 | **Bcg1a** | **Bcg1b** | BciV1 | **Bcl1** | BfrB1 | BfuA1 | Bgl1 |
| **Bgl2** | **BmgB1** | Bmr1 | Bpm1 | **Bpu10** | BpuE1 | Bsa1 | BsaB1 | BsaXa | BsaXb | BseR1 | BseY1 | Bsm1 | **BsmB1** |
| **BspE1** | BspH1 | **BspLU** | BspM1 | BsrB1 | BsrD1 | **BsrG1** | BssS1 | BstAP | **BstB1** | **BstE2** | Bsu36 | BtgZ1 | Bts1 |
| **Cla1** | Dra1 | Dra3 | Drd1 | Eag1 | Ear1 | Eci1 | Eco57 | **EcoRV** | **Fsp1** | **Hind3** | **Hpa1** | Kas1 | **Mfe1** |
| **Mlu1** | Msc1 | Nae1 | Nar1 | Nco1 | **Nde1** | NgoM4 | **Nhe1** | Nsi1 | PflF1 | polyA | **PshA1** | Psi1 | Pvu2 |
| **Rsr2** | **Sal1** | Sap1 | **Sca1** | **SexA1** | **Sfi1** | **Sma1** | **SnaB1** | SpAcc | SpDon | Sph1 | Ssp1 | Stu1 | **Xba1** |
| Xcm1 | **Xho1** | | | | | | | | | | | | |

Unique:

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ase1** | **BamH1** | **Bcg1a** | **Bcg1b** | **Bcl1** | **Bgl2** | **BmgB1** | **Bpu10** | **BsmB1** | **BspE1** | **BspLU** | **BsrG1** | **BstB1** | **BstE2** |
| **Cla1** | **EcoRV** | **Fsp1** | **Hind3** | **Hpa1** | **Mfe1** | **Mlu1** | **Nde1** | **Nhe1** | **PshA1** | **Rsr2** | **Sal1** | **Sca1** | **SexA1** |
| **Sfi1** | **Sma1** | **SnaB1** | **Xba1** | **Xho1** | | | | | | | | | |

Not found:

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aar1 | Acc65 | Acl1 | Afe1 | Afl2 | Age1 | Ahd1 | Ale1 | Apa1 | Asc1 | AsiS1 | Bae1a | Bae1b | BbvC1 |
| Blp1 | Bsg1 | BsiW1 | BssH2 | BstX1 | BstZ1 | BxatB | BxatL | BxatR | BxatP | _Chi | Ecl2 | EcoK | EcoN1 |
| EcoR1 | FCatB | FCatL | FCatR | FCatP | ScFRT | Fse1 | FspA1 | I_Ceu | Kpn1 | loxP | Not1 | Nru1 | Pac1 |
| PflM1 | Pme1 | Pml1 | PspOM | Pst1 | Pvu1 | R4atB | R4atL | R4atP | R4atR | Sac1 | Sac2 | SanD1 | Sbf1 |
| Sgf1 | SgrA1 | Spe1 | Srf1 | Swa1 | T3RNA | T7RNA | T7Ter | PISce | Xmn1 | | | | |

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