pSAT1-cEYFP-N1

```
   1  TCGCGCGTTT CGGTGATGAC GGTGAAAACC TCTGACACAT GCAGCTCCCG
      AGCGCGCAAA GCCACTACTG CCACTTTTGG AGACTGTGTA CGTCGAGGGC

  51  GAGACGGTCA CAGCTTGTCT GTAAGCGGAT GCCGGGAGCA GACAAGCCCG
      CTCTGCCAGT GTCGAACAGA CATTCGCCTA CGGCCCTCGT CTGTTCGGGC

 101  TCAGGGCGCG TCAGCGGGTG TTGGCGGGTG TCGGGGCTGG CTTAACTATG
      AGTCCCGCGC AGTCGCCCAC AACCGCCCAC AGCCCCGACC GAATTGATAC

 151  CGGCATCAGA GCAGATTGTA CTGAGAGTGC ACCATATGCG GTGTGAAATA
      GCCGTAGTCT CGTCTAACAT GACTCTCACG TGGTATACGC CACACTTTAT

 201  CCGCACAGAT GCGTAAGGAG AAAATACCGC ATCAGGCGCC ATTCGCCATT
      GGCGTGTCTA CGCATTCCTC TTTTATGGCG TAGTCCGCGG TAAGCGGTAA

 251  CAGGCTGCGC AACTGTTGGG AAGGGCGATC GGTGCGGGCC TCTTCGCTAT
      GTCCGACGCG TTGACAACCC TTCCCGCTAG CCACGCCCGG AGAAGCGATA

 301  TACGCCAGCT GGCGAAAGGG GGATGTGCTG CAAGGCGATT AAGTTGGGTA
      ATGCGGTCGA CCGCTTTCCC CCTACACGAC GTTCCGCTAA TTCAACCCAT

                                                        AscI
 351  ACGCCAGGGT TTTCCCAGTC ACGACGTTGT AAAACGACGG CCAGTGCCGG
      TGCGGTCCCA AAAGGGTCAG TGCTGCAACA TTTTGCTGCC GGTCACGGCC

      AscI                    CaMV 35S promoter
          AgeI                                AccI
 401  CGCGCCACCG GTCAACATGT GGAGCACGAC ACACTTGTCT ACTCCAAAAA
      GCGCGGTGGC CAGTTGTACA CCTCGTGCTG TGTGAACAGA TGAGGTTTTT

      CaMV 35S promoter
 451  TATCAAAGAT ACAGTCTCAG AAGACCAAAG GGCAATTGAG ACTTTTCAAC
      ATAGTTTCTA TGTCAGAGTC TTCTGGTTTC CCGTTAACTC TGAAAAGTTG

      CaMV 35S promoter
              BspEI
 501  AAAGGGTAAT ATCCGGAAAC CTCCTCGGAT TCCATTGCCC AGCTATCTGT
      TTTCCCATTA TAGGCCTTTG GAGGAGCCTA AGGTAACGGG TCGATAGACA

      CaMV 35S promoter
 551  CACTTTATTG TGAAGATAGT GGAAAAGGAA GGTGGCTCCT ACAAATGCCA
      GTGAAATAAC ACTTCTATCA CCTTTTCCTT CCACCGAGGA TGTTTACGGT
```

CaMV 35S promoter

```
601   TCATTGCGAT AAAGGAAAGG CCATCGTTGA AGATGCCTCT GCCGACAGTG
      AGTAACGCTA TTTCCTTTCC GGTAGCAACT TCTACGGAGA CGGCTGTCAC
```

CaMV 35S promoter

```
651   GTCCCAAAGA TGGACCCCCA CCCACGAGGA GCATCGTGGA AAAAGAAGAC
      CAGGGTTTCT ACCTGGGGGT GGGTGCTCCT CGTAGCACCT TTTTCTTCTG
```

CaMV 35S promote

CaMV 35S promoter

```
701   GTTCCAACCA CGTCTTCAAA GCAAGTGGAT TGATGTGATA ACATGGTGGA
      CAAGGTTGGT GCAGAAGTTT CGTTCACCTA ACTACACTAT TGTACCACCT
```

CaMV 35S promoter

AccI

```
751   GCACGACACA CTTGTCTACT CCAAAAATAT CAAAGATACA GTCTCAGAAG
      CGTGCTGTGT GAACAGATGA GGTTTTTATA GTTTCTATGT CAGAGTCTTC
```

CaMV 35S promoter

BspEI

```
801   ACCAAAGGGC AATTGAGACT TTTCAACAAA GGGTAATATC CGGAAACCTC
      TGGTTTCCCG TTAACTCTGA AAAGTTGTTT CCCATTATAG GCCTTTGGAG
```

CaMV 35S promoter

```
851   CTCGGATTCC ATTGCCCAGC TATCTGTCAC TTTATTGTGA AGATAGTGGA
      GAGCCTAAGG TAACGGGTCG ATAGACAGTG AAATAACACT TCTATCACCT
```

CaMV 35S promoter

```
901   AAAGGAAGGT GGCTCCTACA AATGCCATCA TTGCGATAAA GGAAAGGCCA
      TTTCCTTCCA CCGAGGATGT TTACGGTAGT AACGCTATTT CCTTTCCGGT
```

CaMV 35S promoter

```
951   TCGTTGAAGA TGCCTCTGCC GACAGTGGTC CCAAAGATGG ACCCCCACCC
      AGCAACTTCT ACGGAGACGG CTGTCACCAG GGTTTCTACC TGGGGGTGGG
```

CaMV 35S promoter

```
1001  ACGAGGAGCA TCGTGGAAAA AGAAGACGTT CCAACCACGT CTTCAAAGCA
      TGCTCCTCGT AGCACCTTTT TCTTCTGCAA GGTTGGTGCA GAAGTTTCGT
```

CaMV 35S promoter

```
1051  AGTGGATTGA TGTGATATCT CCACTGACGT AAGGGATGAC GCACAATCCC
      TCACCTAACT ACACTATAGA GGTGACTGCA TTCCCTACTG CGTGTTAGGG
```

```
1101  ACTATCCTTC GCAAGACCCT TCCTCTATAT AAGGAAGTTC ATTTCATTTG
      TGATAGGAAG CGTTCTGGGA AGGAGATATA TTCCTTCAAG TAAAGTAAAC
```

translational enhancer 5'-UTR from tobacco

```
1151  GAGAGGACGT CGAGAGTTCT CAACACAACA TATACAAAAC AAACGAATCT
      CTCTCCTGCA GCTCTCAAGA GTTGTGTTGT ATATGTTTTG TTTGCTTAGA
```

translational enhancer 5'-UTR from tobacco

```
1201  CAAGCAATCA AGCATTCTAC TTCTATTGCA GCAATTTAAA TCATTTCTTT
      GTTCGTTAGT TCGTAAGATG AAGATAACGT CGTTAAATTT AGTAAAGAAA
```

translational enhancer 5'-UTR from tobacco

NcoI

```
1251  TAAAGCAAAA GCAATTTTCT GAAAATTTTC ACCATTTACG AACGATAGCC
      ATTTCGTTTT CGTTAAAAGA CTTTTAAAAG TGGTAAATGC TTGCTATCGG
```

MCS

BspEI SacI PstI KpnI XhoI SalI NcoI BglII HindIII EcoRI AccI

```
1301  ATGGTCCGGA CTCAGATCTC GAGCTCAAGC TTCGAATTCT GCAGTCGACG
      TACCAGGCCT GAGTCTAGAG CTCGAGTTCG AAGCTTAAGA CGTCAGCTGC
```

BamHI cEYFP MCS SacII XmaI KpnI SmaI

```
1351  GTACCGCGGG CCCGGGATCC TGGGCAGCGT GCAGCTCGCC GACCACTACC
      CATGGCGCCC GGGCCCTAGG ACCCGTCGCA CGTCGAGCGG CTGGTGATGG
```

cEYFP

```
1401  AGCAGAACAC CCCCATCGGC GACGGCCCCG TGCTGCTGCC CGACAACCAC
      TCGTCTTGTG GGGGTAGCCG CTGCCGGGGC ACGACGACGG GCTGTTGGTG
```

cEYFP

```
1451  TACCTGAGCT ACCAGTCCGC CCTGAGCAAA GACCCCAACG AGAAGCGCGA
      ATGGACTCGA TGGTCAGGCG GGACTCGTTT CTGGGGTTGC TCTTCGCGCT
```

cEYFP

```
1501  TCACATGGTC CTGCTGGAGT TCGTGACCGC CGCCGGGATC ACTCTCGGCA
      AGTGTACCAG GACGACCTCA AGCACTGGCG GCGGCCCTAG TGAGAGCCGT
```

cEYFP — CaMV 35S terminator — XbaI

```
1551  TGGACGAGCT GTACAAGTGA AGATCCACCT AGTCTAGAGT CCGCAAAAAT
      ACCTGCTCGA CATGTTCACT TCTAGGTGGA TCAGATCTCA GGCGTTTTTA
```

CaMV 35S terminator

```
1601  CACCAGTCTC TCTCTACAAA TCTATCTCTC TCTATTTTTC TCCAGAATAA
      GTGGTCAGAG AGAGATGTTT AGATAGAGAG AGATAAAAAG AGGTCTTATT
```

CaMV 35S terminator

```
1651  TGTGTGAGTA GTTCCCAGAT AAGGGAATTA GGGTTCTTAT AGGGTTTCGC
      ACACACTCAT CAAGGGTCTA TTCCCTTAAT CCCAAGAATA TCCCAAAGCG
```

CaMV 35S terminator

```
1701  TCATGTGTTG AGCATATAAG AAACCCTTAG TATGTATTTG TATTTGTAAA
      AGTACACAAC TCGTATATTC TTTGGGAATC ATACATAAAC ATAAACATTT
```

CaMV 35S terminator — NotI

```
1751  ATACTTCTAT CAATAAAATT TCTAATTCCT AAAACCAAAA TCCAGTGACG
      TATGAAGATA GTTATTTTAA AGATTAAGGA TTTTGGTTTT AGGTCACTGC
```

SacII — AscI — NotI

```
1801  CGGCCGCGGC GCGCCGTAAT CATGGTCATA GCTGTTTCCT GTGTGAAATT
      GCCGGCGCCG CGCGGCATTA GTACCAGTAT CGACAAAGGA CACACTTTAA

1851  GTTATCCGCT CACAATTCCA CACAACATAC GAGCCGGAAG CATAAAGTGT
      CAATAGGCGA GTGTTAAGGT GTGTTGTATG CTCGGCCTTC GTATTTCACA

1901  AAAGCCTGGG GTGCCTAATG AGTGAGCTAA CTCACATTAA TTGCGTTGCG
      TTTCGGACCC CACGGATTAC TCACTCGATT GAGTGTAATT AACGCAACGC

1951  CTCACTGCCC GCTTTCCAGT CGGGAAACCT GTCGTGCCAG CTGCATTAAT
      GAGTGACGGG CGAAAGGTCA GCCCTTTGGA CAGCACGGTC GACGTAATTA

2001  GAATCGGCCA ACGCGCGGGG AGAGGCGGTT TGCGTATTGG GCGCTCTTCC
      CTTAGCCGGT TGCGCGCCCC TCTCCGCCAA ACGCATAACC CGCGAGAAGG

2051  GCTTCCTCGC TCACTGACTC GCTGCGCTCG GTCGTTCGGC TGCGGCGAGC
      CGAAGGAGCG AGTGACTGAG CGACGCGAGC CAGCAAGCCG ACGCCGCTCG
```

```
2101  GGTATCAGCT CACTCAAAGG CGGTAATACG GTTATCCACA GAATCAGGGG
      CCATAGTCGA GTGAGTTTCC GCCATTATGC CAATAGGTGT CTTAGTCCCC

2151  ATAACGCAGG AAAGAACATG TGAGCAAAAG GCCAGCAAAA GGCCAGGAAC
      TATTGCGTCC TTTCTTGTAC ACTCGTTTTC CGGTCGTTTT CCGGTCCTTG

2201  CGTAAAAAGG CCGCGTTGCT GGCGTTTTTC CATAGGCTCC GCCCCCCTGA
      GCATTTTTCC GGCGCAACGA CCGCAAAAAG GTATCCGAGG CGGGGGGACT

2251  CGAGCATCAC AAAAATCGAC GCTCAAGTCA GAGGTGGCGA AACCCGACAG
      GCTCGTAGTG TTTTTAGCTG CGAGTTCAGT CTCCACCGCT TTGGGCTGTC

2301  GACTATAAAG ATACCAGGCG TTTCCCCCTG GAAGCTCCCT CGTGCGCTCT
      CTGATATTTC TATGGTCCGC AAAGGGGGAC CTTCGAGGGA GCACGCGAGA

2351  CCTGTTCCGA CCCTGCCGCT TACCGGATAC CTGTCCGCCT TTCTCCCTTC
      GGACAAGGCT GGGACGGCGA ATGGCCTATG GACAGGCGGA AAGAGGGAAG

2401  GGGAAGCGTG GCGCTTTCTC AATGCTCACG CTGTAGGTAT CTCAGTTCGG
      CCCTTCGCAC CGCGAAAGAG TTACGAGTGC GACATCCATA GAGTCAAGCC

2451  TGTAGGTCGT TCGCTCCAAG CTGGGCTGTG TGCACGAACC CCCCGTTCAG
      ACATCCAGCA AGCGAGGTTC GACCCGACAC ACGTGCTTGG GGGGCAAGTC

2501  CCCGACCGCT GCGCCTTATC CGGTAACTAT CGTCTTGAGT CCAACCCGGT
      GGGCTGGCGA CGCGGAATAG GCCATTGATA GCAGAACTCA GGTTGGGCCA

2551  AAGACACGAC TTATCGCCAC TGGCAGCAGC CACTGGTAAC AGGATTAGCA
      TTCTGTGCTG AATAGCGGTG ACCGTCGTCG GTGACCATTG TCCTAATCGT

2601  GAGCGAGGTA TGTAGGCGGT GCTACAGAGT TCTTGAAGTG GTGGCCTAAC
      CTCGCTCCAT ACATCCGCCA CGATGTCTCA AGAACTTCAC CACCGGATTG

2651  TACGGCTACA CTAGAAGGAC AGTATTTGGT ATCTGCGCTC TGCTGAAGCC
      ATGCCGATGT GATCTTCCTG TCATAAACCA TAGACGCGAG ACGACTTCGG

2701  AGTTACCTTC GGAAAAAGAG TTGGTAGCTC TTGATCCGGC AAACAAACCA
      TCAATGGAAG CCTTTTTCTC AACCATCGAG AACTAGGCCG TTTGTTTGGT

2751  CCGCTGGTAG CGGTGGTTTT TTTGTTTGCA AGCAGCAGAT TACGCGCAGA
      GGCGACCATC GCCACCAAAA AAACAAACGT TCGTCGTCTA ATGCGCGTCT

2801  AAAAAAGGAT CTCAAGAAGA TCCTTTGATC TTTTCTACGG GGTCTGACGC
      TTTTTTCCTA GAGTTCTTCT AGGAAACTAG AAAAGATGCC CCAGACTGCG

2851  TCAGTGGAAC GAAAACTCAC GTTAAGGGAT TTTGGTCATG AGATTATCAA
      AGTCACCTTG CTTTTGAGTG CAATTCCCTA AAACCAGTAC TCTAATAGTT
```

```
2901  AAAGGATCTT CACCTAGATC CTTTTAAATT AAAAATGAAG TTTTAAATCA
      TTTCCTAGAA GTGGATCTAG GAAAATTTAA TTTTTACTTC AAAATTTAGT
-------------------------------------------------------------
2951  ATCTAAAGTA TATATGAGTA AACTTGGTCT GACAGTTACC AATGCTTAAT
      TAGATTTCAT ATATACTCAT TTGAACCAGA CTGTCAATGG TTACGAATTA
                                              AMP
-------------------------------------------------------------
3001  CAGTGAGGCA CCTATCTCAG CGATCTGTCT ATTTCGTTCA TCCATAGTTG
      GTCACTCCGT GGATAGAGTC GCTAGACAGA TAAAGCAAGT AGGTATCAAC
                          AMP
-------------------------------------------------------------
3051  CCTGACTCCC CGTCGTGTAG ATAACTACGA TACGGGAGGG CTTACCATCT
      GGACTGAGGG GCAGCACATC TATTGATGCT ATGCCCTCCC GAATGGTAGA
                          AMP
-------------------------------------------------------------
3101  GGCCCCAGTG CTGCAATGAT ACCGCGAGAC CCACGCTCAC CGGCTCCAGA
      CCGGGGTCAC GACGTTACTA TGGCGCTCTG GGTGCGAGTG GCCGAGGTCT
                          AMP
-------------------------------------------------------------
3151  TTTATCAGCA ATAAACCAGC CAGCCGGAAG GGCCGAGCGC AGAAGTGGTC
      AAATAGTCGT TATTTGGTCG GTCGGCCTTC CCGGCTCGCG TCTTCACCAG
                          AMP
-------------------------------------------------------------
3201  CTGCAACTTT ATCCGCCTCC ATCCAGTCTA TTAATTGTTG CCGGGAAGCT
      GACGTTGAAA TAGGCGGAGG TAGGTCAGAT AATTAACAAC GGCCCTTCGA
                          AMP
-------------------------------------------------------------
3251  AGAGTAAGTA GTTCGCCAGT TAATAGTTTG CGCAACGTTG TTGCCATTGC
      TCTCATTCAT CAAGCGGTCA ATTATCAAAC GCGTTGCAAC AACGGTAACG
                          AMP
-------------------------------------------------------------
3301  TACAGGCATC GTGGTGTCAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT
      ATGTCCGTAG CACCACAGTG CGAGCAGCAA ACCATACCGA AGTAAGTCGA
                          AMP
-------------------------------------------------------------
3351  CCGGTTCCCA ACGATCAAGG CGAGTTACAT GATCCCCCAT GTTGTGCAAA
      GGCCAAGGGT TGCTAGTTCC GCTCAATGTA CTAGGGGGTA CAACACGTTT
                          AMP
-------------------------------------------------------------
3401  AAAGCGGTTA GCTCCTTCGG TCCTCCGATC GTTGTCAGAA GTAAGTTGGC
      TTTCGCCAAT CGAGGAAGCC AGGAGGCTAG CAACAGTCTT CATTCAACCG
                          AMP
-------------------------------------------------------------
```

```
3451  CGCAGTGTTA TCACTCATGG TTATGGCAGC ACTGCATAAT TCTCTTACTG
      GCGTCACAAT AGTGAGTACC AATACCGTCG TGACGTATTA AGAGAATGAC
                                  AMP

3501  TCATGCCATC CGTAAGATGC TTTTCTGTGA CTGGTGAGTA CTCAACCAAG
      AGTACGGTAG GCATTCTACG AAAAGACACT GACCACTCAT GAGTTGGTTC
                                  AMP

3551  TCATTCTGAG AATAGTGTAT GCGGCGACCG AGTTGCTCTT GCCCGGCGTC
      AGTAAGACTC TTATCACATA CGCCGCTGGC TCAACGAGAA CGGGCCGCAG
                                  AMP

3601  AATACGGGAT AATACCGCGC CACATAGCAG AACTTTAAAA GTGCTCATCA
      TTATGCCCTA TTATGGCGCG GTGTATCGTC TTGAAATTTT CACGAGTAGT
                                  AMP

3651  TTGGAAAACG TTCTTCGGGG CGAAAACTCT CAAGGATCTT ACCGCTGTTG
      AACCTTTTGC AAGAAGCCCC GCTTTTGAGA GTTCCTAGAA TGGCGACAAC
                                  AMP

3701  AGATCCAGTT CGATGTAACC CACTCGTGCA CCCAACTGAT CTTCAGCATC
      TCTAGGTCAA GCTACATTGG GTGAGCACGT GGGTTGACTA GAAGTCGTAG
                                  AMP

3751  TTTTACTTTC ACCAGCGTTT CTGGGTGAGC AAAAACAGGA AGGCAAAATG
      AAAATGAAAG TGGTCGCAAA GACCCACTCG TTTTTGTCCT TCCGTTTTAC
                                  AMP

3801  CCGCAAAAAA GGGAATAAGG GCGACACGGA AATGTTGAAT ACTCATACTC
      GGCGTTTTTT CCCTTATTCC CGCTGTGCCT TTACAACTTA TGAGTATGAG
                                  AMP

3851  TTCCTTTTTC AATATTATTG AAGCATTTAT CAGGGTTATT GTCTCATGAG
      AAGGAAAAAG TTATAATAAC TTCGTAAATA GTCCCAATAA CAGAGTACTC

3901  CGGATACATA TTTGAATGTA TTTAGAAAAA TAAACAAATA GGGGTTCCGC
      GCCTATGTAT AAACTTACAT AAATCTTTTT ATTTGTTTAT CCCCAAGGCG

3951  GCACATTTCC CCGAAAAGTG CCACCTGACG TCTAAGAAAC CATTATTATC
      CGTGTAAAGG GGCTTTTCAC GGTGGACTGC AGATTCTTTG GTAATAATAG

4001  ATGACATTAA CCTATAAAAA TAGGCGTATC ACGAGGCCCT TTCGTC
      TACTGTAATT GGATATTTTT ATCCGCATAG TGCTCCGGGA AAGCAG
```