

pSAT4A-nEYFP-N1

1	TCGCGCGTTT	CGGTGATGAC	GGTAAAACC	TCTGACACAT	GCAGCTCCCG
	AGCGCGCAA	GCCACTACTG	CCACTTTTTGG	AGACTGTGTA	CGTCGAGGGC
51	GAGACGGTCA	CAGCTTGTCT	GTAAGCGGAT	GCCGGGAGCA	GACAAGCCCCG
	CTCTGCCAGT	GTCGAACAGA	CATTTCGCTA	CGGCCCTCGT	CTGTTCGGGC
101	TCAGGGCGCG	TCAGCGGGTG	TTGGCGGGTG	TCGGGGCTGG	CTTAACTATG
	AGTCCCAGCG	AGTCGCCAC	AACCGCCCAC	AGCCCCGACC	GAATTGATAC
151	CGGCATCAGA	GCAGATTGTA	CTGAGAGTGC	ACCATATGCG	GTGTGAAATA
	GCCGTAGTCT	CGTCTAACAT	GACTCTCACG	TGGTATACGC	CACACTTTAT
201	CCGCACAGAT	GCGTAAGGAG	AAAATACCGC	ATCAGGCGCC	ATTTCGCCATT
	GGCGTGTCTA	CGCATTCCTC	TTTTATGGCG	TAGTCCGCGG	TAAGCGGTAA
251	CAGGCTGCGC	AACTGTTGGG	AAGGGCGATC	GGTGCGGGCC	TCTTCGCTAT
	GTCCGACGCG	TTGACAACCC	TTCCCCTAG	CCACGCCCGG	AGAAGCGATA
301	TACGCCAGCT	GCGAAAGGG	GGATGTGCTG	CAAGGCGATT	AAGTTGGGTA
	ATGCGGTCGA	CCGCTTTCCC	CCTACACGAC	GTTCCGCTAA	TTCAACCCAT
351	ACGCCAGGGT	TTTCCCAGTC	ACGACGTTGT	AAAACGACGG	CCAGTGCCAT
	TGCGGTCCCA	AAAGGGTCAG	TGCTGCAACA	TTTTGCTGCC	GGTCACGGTA
					I-Sce
			CaMV 35S promoter		
401	TACCCTGTTA	TCCCTAACCG	GTCAACATGT	GGAGCACGAC	ACACTTGTCT
	ATGGGACAAT	AGGGATTGGC	CAGTTGTACA	CCTCGTGCTG	TGTGAACAGA
		I-SceI			
			CaMV 35S promoter		
451	ACTCCAAAAA	TATCAAAGAT	ACAGTCTCAG	AAGACCAAAG	GGCAATTGAG
	TGAGGTTTTT	ATAGTTTCTA	TGTCAGAGTC	TTCTGGTTTC	CCGTTAACTC
			CaMV 35S promoter		
501	ACTTTTCAAC	AAAGGGTAAT	ATCCGGAAAC	CTCCTCGGAT	TCCATTGCCC
	TGAAAAGTTG	TTTCCCATTA	TAGGCCTTTG	GAGGAGCCTA	AGGTAACGGG
			CaMV 35S promoter		
551	AGCTATCTGT	CACTTTATTG	TGAAGATAGT	GGAAAAGGAA	GGTGGCTCCT
	TCGATAGACA	GTGAAATAAC	ACTTCTATCA	CCTTTTCCTT	CCACCGAGGA

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CaMV 35S promoter

601 ACAAATGCCA TCATTGCGAT AAAGGAAAGG CCATCGTTGA AGATGCCTCT
TGTTTACGGT AGTAACGCTA TTCCCTTTCC GGTAGCAACT TCTACGGAGA

CaMV 35S promoter

651 GCCGACAGTG GTCCCAAAGA TGGACCCCA CCCACGAGGA GCATCGTGGA
CGGCTGTCAC CAGGGTTTCT ACCTGGGGGT GGGTGCTCCT CGTAGCACCT

CaMV 35S promoter

701 AAAAGAAGAC GTTCCAACCA CGTCTTCAA GCAAGTGGAT TGATGTGATA
TTTTCTTCTG CAAGGTTGGT GCAGAAGTTT CGTTCACCTA ACTACACTAT

CaMV 35S promoter

751 ACATGGTGGG GCACGACACA CTTGTCTACT CCAAAAATAT CAAAGATACA
TGTACCACCT CGTGCTGTGT GAACAGATGA GGTTTTTTATA GTTTCTATGT

Accl
~~~~~

CaMV 35S promoter

801 GTCTCAGAAG ACCAAAGGGC AATTGAGACT TTTCAACAAA GGGTAATATC  
CAGAGTCTTC TGGTTTCCCG TTAACCTCTGA AAAGTTGTTT CCCATTATAG

BspEI  
~~~~~

CaMV 35S promoter

851 CGGAAACCTC CTCGGATTCC ATTGCCCAGC TATCTGTCAC TTTATTGTGA
GCCTTTGGAG GAGCCTAAGG TAACGGGTCG ATAGACAGTG AAATAACACT

BspEI
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CaMV 35S promoter

901 AGATAGTGGA AAAGGAAGGT GGCTCCTACA AATGCCATCA TTGCGATAAA  
TCTATCACCT TTCCCTTCCA CCGAGGATGT TTACGGTAGT AACGCTATTT

CaMV 35S promoter

951 GGAAAGGCCA TCGTTGAAGA TGCCTCTGCC GACAGTGGTC CCAAAGATGG  
CCTTTCCGGT AGCAACTTCT ACGGAGACGG CTGTCACCAG GGTTTCTACC

CaMV 35S promoter

1001 ACCCCACCC ACGAGGAGCA TCGTGGAAAA AGAAGACGTT CCAACCACGT  
TGGGGTGGG TGCTCCTCGT AGCACCTTTT TCTTCTGCAA GGTTGGTGCA

CaMV 35S promoter

1051 CTTCAAAGCA AGTGGATTGA TGTGATATCT CCACTGACGT AAGGGATGAC  
GAAGTTTCGT TCACCTAACT AACTATAGA GGTGACTGCA TTCCCTACTG

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1101 GCACAATCCC ACTATCCTTC GCAAGACCCT TCCTCTATAT AAGGAAGTTC  
CGTGTTAGGG TGATAGGAAG CGTTCGGGA AGGAGATATA TTCCTTCAAG

translational enhancer 5'-UTR from tobacco

1151 ATTTTCATTTG GAGAGGACGT CGAGAGTTCT CAACACAACA TATACAAAAC  
TAAAGTAAAC CTCTCCTGCA GCTCTCAAGA GTTGTGTTGT ATATGTTTTG

translational enhancer 5'-UTR from tobacco

1201 AAACGAATCT CAAGCAATCA AGCATTCTAC TTCTATTGCA GCAATTTAAA  
TTTGCTTAGA GTTCGTTAGT TCGTAAGATG AAGATAACGT CGTTAAATTT

translational enhancer 5'-UTR from tobacco

1251 TCATTTCTTT TAAAGCAAAA GCAATTTTCT GAAAATTTTC ACCATTTACG  
AGTAAAGAAA ATTTCGTTTT CGTTAAAAGA CTTTTAAAAG TGGTAAATGC

MCS

translational enhancer 5'-UTR from tobacco

1301 AACGATAGAG ATCTCGAGCT CAAGCTTCGA ATTCTGCAGT CGACGGTACC  
TTGCTATCTC TAGAGCTCGA GTTCGAAGCT TAAGACGTCA GCTGCCATGG

BamHI nEYFP

MCS

1351 GCGGGCCCGG GATCCTGATG GTGAGCAAGG GCGAGGAGCT GTTCACCGGG  
CGCCCGGGCC CTAGGACTAC CACTCGTTCC CGCTCCTCGA CAAGTGGCCC

nEYFP

1401 GTGGTGCCCA TCCTGGTCGA GCTGGACGGC GACGTAAACG GCCACAAGTT  
CACCACGGGT AGGACCAGCT CGACCTGCCG CTGCATTTGC CGGTGTTCAA

nEYFP

1451 CAGCGTGTCC GCGGAGGCG AGGGCGATGC CACCTACGGC AAGCTGACCC  
GTCGCACAGG CCGCTCCCGC TCCCGCTACG GTGGATGCCG TTCGACTGGG

nEYFP

1501 TGAAGTTCAT CTGCACCACC GGCAAGCTGC CCGTGCCCTG GCCCACCCCT  
ACTTCAAGTA GACGTGGTGG CCGTTCGACG GGCACGGGAC CGGGTGGGAG

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|      |                     |            |            |             |            |
|------|---------------------|------------|------------|-------------|------------|
|      | nEYFP               |            |            |             |            |
|      | PstI                |            |            |             |            |
| 1551 | GTGACCACCT          | TCGGCTACGG | CCTGCAGTGC | TTCGCCCCGCT | ACCCCGACCA |
|      | CACTGGTGGG          | AGCCGATGCC | GGACGTCACG | AAGCGGGCGA  | TGGGGCTGGT |
|      | nEYFP               |            |            |             |            |
| 1601 | CATGAAGCAG          | CACGACTTCT | TCAAGTCCGC | CATGCCCGAA  | GGCTACGTCC |
|      | GTACTTCGTC          | GTGCTGAAGA | AGTTCAGGCG | GTACGGGCTT  | CCGATGCAGG |
|      | nEYFP               |            |            |             |            |
| 1651 | AGGAGCGCAC          | CATCTTCTTC | AAGGACGACG | GCAACTACAA  | GACCCGCGCC |
|      | TCCTCGCGTG          | GTAGAAGAAG | TTCCTGCTGC | CGTTGATGTT  | CTGGGCGCGG |
|      | nEYFP               |            |            |             |            |
| 1701 | GAGGTGAAGT          | TCGAGGGCGA | CACCCTGGTG | AACCGCATCG  | AGCTGAAGGG |
|      | CTCCAATTCA          | AGCTCCCGCT | GTGGGACCAC | TTGGCGTAGC  | TCGACTTCCC |
|      | nEYFP               |            |            |             |            |
| 1751 | CATCGACTTC          | AAGGAGGACG | GCAACATCCT | GGGGCACAAG  | CTGGAGTACA |
|      | GTAGCTGAAG          | TTCCTCCTGC | CGTTGTAGGA | CCCCGTGTTT  | GACCTCATGT |
|      | nEYFP               |            |            |             |            |
| 1801 | ACTACAACAG          | CCACAACGTC | TATATCATGG | CCGACAAGCA  | GAAGAACGGC |
|      | TGATGTTGTC          | GGTGTTCAG  | ATATAGTACC | GGCTGTTCGT  | CTTCTTGCCG |
|      | nEYFP               |            |            |             |            |
| 1851 | ATCAAGGTGA          | ACTTCAAGAT | CCGCCACAAC | ATCGAGGACT  | GAAGATCCAC |
|      | TAGTTCCACT          | TGAAGTTCTA | GGCGGTGTTG | TAGCTCCTGA  | CTTCTAGGTG |
|      | CaMV 35S terminator |            |            |             |            |
|      | XbaI                |            |            |             |            |
| 1901 | CTAGTCTAGA          | GTCCGCAAAA | ATCACCAGTC | TCTCTCTACA  | AATCTATCTC |
|      | GATCAGATCT          | CAGGCGTTTT | TAGTGGTCAG | AGAGAGATGT  | TTAGATAGAG |
|      | CaMV 35S terminator |            |            |             |            |
| 1951 | TCTCTATTTT          | TCTCCAGAAT | AATGTGTGAG | TAGTTCCCAG  | ATAAGGGAAT |
|      | AGAGATAAAA          | AGAGGTCTTA | TTACACACTC | ATCAAGGGTC  | TATTCCCTTA |
|      | CaMV 35S terminator |            |            |             |            |
| 2001 | TAGGGTTCTT          | ATAGGGTTTC | GTCATGTGT  | TGAGCATATA  | AGAAACCCTT |
|      | ATCCCAAGAA          | TATCCCAAAG | CGAGTACACA | ACTCGTATAT  | TCTTTGGGAA |

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| CaMV 35S terminator |            |             |             |             |             |
|---------------------|------------|-------------|-------------|-------------|-------------|
| 2051                | AGTATGTATT | TGTATTTGTA  | AAATACTTCT  | ATCAATAAAA  | TTTCTAATTC  |
|                     | TCATACATAA | ACATAAACAT  | TTTATGAAGA  | TAGTTATTTT  | AAAGATTAAG  |
| CaMV 35S terminator |            |             |             |             |             |
| 2101                | CTAAAACCAA | AATCCAGTGA  | CGCGGCCGCA  | TTACCCTGTT  | ATCCCTAGTA  |
|                     | GATTTTGGTT | TTAGGTCACT  | GCGCCGGCGT  | AATGGGACAA  | TAGGGATCAT  |
|                     |            |             |             |             | I-SceI      |
| 2151                | ATCATGGTCA | TAGCTGTTTC  | CTGTGTGAAA  | TTGTTATCCG  | CTCACAATTC  |
|                     | TAGTACCAGT | ATCGACAAAG  | GACACACTTT  | AACAATAGGC  | GAGTGTTAAG  |
| 2201                | CACACAACAT | ACGAGCCGGA  | AGCATAAAGT  | GTAAAGCCTG  | GGGTGCCCTAA |
|                     | GTGTGTTGTA | TGCTCGGCCT  | TCGTATTTCA  | CATTTCCGGAC | CCCACGGATT  |
| 2251                | TGAGTGAGCT | AACTCACATT  | AATTGCGTTG  | CGCTCACTGC  | CCGCTTTCCA  |
|                     | ACTCACTCGA | TTGAGTGTA   | TTAACGCAAC  | GCGAGTGACG  | GGCGAAAGGT  |
| 2301                | GTCGGGAAAC | CTGTCGTGCC  | AGCTGCATTA  | ATGAATCGGC  | CAACGCGCGG  |
|                     | CAGCCCTTTG | GACAGCACGG  | TCGACGTAAT  | TACTTAGCCG  | GTTGCGCGCC  |
| 2351                | GGAGAGGCGG | TTTGCCTATT  | GGGCGCTCTT  | CCGCTTCCTC  | GCTCACTGAC  |
|                     | CCTCTCCGCC | AAACGCATAA  | CCC GCGAGAA | GGCGAAGGAG  | CGAGTGACTG  |
| 2401                | TCGCTGCGCT | CGGTCGTTTCG | GCTGCGGCGA  | GCGGTATCAG  | CTCACTCAA   |
|                     | AGCGACGCGA | GCCAGCAAGC  | CGACGCCGCT  | CGCCATAGTC  | GAGTGAGTTT  |
| 2451                | GGCGGTAATA | CGGTTATCCA  | CAGAATCAGG  | GGATAACGCA  | GGAAAGAACA  |
|                     | CCGCCATTAT | GCCAATAGGT  | GTCTTAGTCC  | CCTATTGCGT  | CCTTTCTTGT  |
| 2501                | TGTGAGCAAA | AGGCCAGCAA  | AAGGCCAGGA  | ACCGTAAAAA  | GGCCGCGTTG  |
|                     | ACACTCGTTT | TCCGGTCGTT  | TTCCGGTCCT  | TGGCATTTTT  | CCGGCGCAAC  |
| 2551                | CTGGCGTTTT | TCCATAGGCT  | CCGCCCCCT   | GACGAGCATC  | ACAAAAATCG  |
|                     | GACCGCAAAA | AGGTATCCGA  | GGCGGGGGGA  | CTGCTCGTAG  | TGTTTTTAGC  |
| 2601                | ACGCTCAAGT | CAGAGGTGGC  | GAAACCCGAC  | AGGACTATAA  | AGATAACCAGG |
|                     | TGCGAGTTCA | GTCTCCACCG  | CTTTGGGCTG  | TCCTGATATT  | TCTATGGTCC  |
| 2651                | CGTTTCCCC  | TGGAAGCTCC  | CTCGTGCGCT  | CTCCTGTTCC  | GACCCTGCCG  |
|                     | GCAAAGGGGG | ACCTTCGAGG  | GAGCACGCGA  | GAGGACAAGG  | CTGGGACGGC  |
| 2701                | CTTACCGGAT | ACCTGTCCGC  | CTTTCTCCCT  | TCGGGAAGCG  | TGGCGCTTTC  |
|                     | GAATGGCCTA | TGGACAGGCG  | GAAAGAGGGA  | AGCCCTTCGC  | ACCGCGAAAG  |

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|      |            |             |             |             |             |
|------|------------|-------------|-------------|-------------|-------------|
| 2751 | TCAATGCTCA | CGCTGTAGGT  | ATCTCAGTTC  | GGTGTAGGTC  | GTTGCGCTCCA |
|      | AGTTACGAGT | GCGACATCCA  | TAGAGTCAAG  | CCACATCCAG  | CAAGCGAGGT  |
| 2801 | AGCTGGGCTG | TGTGCACGAA  | CCCCCGTTC   | AGCCCGACCG  | CTGCGCCTTA  |
|      | TCGACCCGAC | ACACGTGCTT  | GGGGGGCAAG  | TCGGGCTGGC  | GACGCGGAAT  |
| 2851 | TCCGGTAACT | ATCGTCTTGA  | GTCCAACCCG  | GTAAGACACG  | ACTTATCGCC  |
|      | AGGCCATTGA | TAGCAGAACT  | CAGGTTGGGC  | CATTCTGTGC  | TGAATAGCGG  |
| 2901 | ACTGGCAGCA | GCCACTGGTA  | ACAGGATTAG  | CAGAGCGAGG  | TATGTAGGCG  |
|      | TGACCGTCGT | CGGTGACCAT  | TGTCCTAATC  | GTCTCGCTCC  | ATACATCCGC  |
| 2951 | GTGCTACAGA | GTTCTTGAAG  | TGGTGGCCTA  | ACTACGGCTA  | CACTAGAAGG  |
|      | CACGATGTCT | CAAGAACTTC  | ACCACCGGAT  | TGATGCCGAT  | GTGATCTTCC  |
| 3001 | ACAGTATTTG | GTATCTGCGC  | TCTGCTGAAG  | CCAGTTACCT  | TCGGAAAAAG  |
|      | TGTCATAAAC | CATAGACCGG  | AGACGACTTC  | GGTCAATGGA  | AGCCTTTTTTC |
| 3051 | AGTTGGTAGC | TCTTGATCCG  | GCAAACAAAC  | CACCGCTGGT  | AGCGGTGGTT  |
|      | TCAACCATCG | AGAACTAGGC  | CGTTTGTTTG  | GTGGCGACCA  | TCGCCACCAA  |
| 3101 | TTTTTGTTTG | CAAGCAGCAG  | ATTACGCGCA  | GAAAAAAAGG  | ATCTCAAGAA  |
|      | AAAAACAAAC | GTTGTCGTC   | TAATGCGCGT  | CTTTTTTTTCC | TAGAGTTCTT  |
| 3151 | GATCCTTTGA | TCTTTTCTAC  | GGGGTCTGAC  | GCTCAGTGGA  | ACGAAAACTC  |
|      | CTAGGAAACT | AGAAAAGATG  | CCCAGACTG   | CGAGTCACCT  | TGCTTTTGAG  |
| 3201 | ACGTTAAGGG | ATTTTGGTCA  | TGAGATTATC  | AAAAAGGATC  | TTCACCTAGA  |
|      | TGCAATTCCC | TAAAACCAGT  | ACTCTAATAG  | TTTTTCCTAG  | AAGTGGATCT  |
| 3251 | TCCTTTTAAA | TTAAAAATGA  | AGTTTTTAAAT | CAATCTAAAG  | TATATATGAG  |
|      | AGGAAAATTT | AATTTTTTACT | TCAAAATTTA  | GTTAGATTTT  | ATATATACTC  |
| 3301 | TAAACTTGGT | CTGACAGTTA  | CCAATGCTTA  | ATCAGTGAGG  | CACCTATCTC  |
|      | ATTTGAACCA | GACTGTCAAT  | GGTTACGAAT  | TAGTCACTCC  | GTGGATAGAG  |
|      |            |             | <u>AMP</u>  |             |             |
| 3351 | AGCGATCTGT | CTATTTGCTT  | CATCCATAGT  | TGCCTGACTC  | CCCGTCGTGT  |
|      | TCGCTAGACA | GATAAAGCAA  | GTAGGTATCA  | ACGGACTGAG  | GGGCAGCACA  |
|      |            |             | <u>AMP</u>  |             |             |
| 3401 | AGATAACTAC | GATACGGGAG  | GGCTTACCAT  | CTGGCCCCAG  | TGCTGCAATG  |
|      | TCTATTGATG | CTATGCCCTC  | CCGAATGGTA  | GACCGGGGTC  | ACGACGTTAC  |
|      |            |             | <u>AMP</u>  |             |             |

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3451 ATACCGCGAG ACCCAGCTC ACCGGCTCCA GATTTATCAG CAATAAACCA  
TATGGCGCTC TGGGTGCGAG TGGCCGAGGT CTAAATAGTC GTTATTTGGT

AMP

3501 GCCAGCCGGA AGGGCCGAGC GCAGAAAGTGG TCCTGCAACT TTATCCGCCT  
CGGTGCGCCT TCCC GGCTCG CGTCTTCACC AGGACGTTGA AATAGGCGGA

AMP

3551 CCATCCAGTC TATTAATTGT TGCCGGGAAG CTAGAGTAAG TAGTTCGCCA  
GGTAGGTCAG ATAATTAACA ACGGCCCTTC GATCTCATT C ATCAAGCGGT

AMP

3601 GTTAATAGTT TGC GCAACGT TGTTGCCATT GCTACAGGCA TCGTGGTGTG  
CAATTATCAA ACGCGTTGCA ACAACGGTAA CGATGTCCGT AGCACCACAG

AMP

3651 ACGCTCGTCG TTTGGTATGG CTTCATT CAG CTCCGGTTCC CAACGATCAA  
TGCGAGCAGC AAACCATAACC GAAGTAAGTC GAGCCAAGG GTTGCTAGTT

AMP

3701 GGCGAGTTAC ATGATCCCC ATGTTGTGCA AAAAAGCGGT TAGCTCCTTC  
CCGCTCAATG TACTAGGGG TACAACACGT TTTTTCGCCA ATCGAGGAAG

AMP

3751 GGTCCTCCGA TCGTTGTCAG AAGTAAGTTG GCCGCAGTGT TATCACTCAT  
CCAGGAGGCT AGCAACAGTC TTCATTCAAC CGGCGTCACA ATAGTGAGTA

AMP

3801 GGT TATGGCA GCACTGCATA ATTCTCTTAC TGTCATGCCA TCCGTAAGAT  
CCAATACCGT CGTGACGTAT TAAGAGAATG ACAGTACGGT AGGCATTCTA

AMP

3851 GCTTTTCTGT GACTGGTGAG TACTCAACCA AGTCATTCTG AGAATAGTGT  
CGAAAAGACA CTGACCACTC ATGAGTTGGT TCAGTAAGAC TCTTATCACA

AMP

3901 ATGCGGCGAC CGAGTTGCTC TTGCCCGGCG TCAATACGGG ATAATACCGC  
TACGCCGCTG GCTCAACGAG AACGGGCCG AGTTATGCC TATTATGGCG

AMP

3951 GCCACATAGC AGAACTTTAA AAGTGCTCAT CATTGGAAAA CGTTCTTCGG  
CGGTGTATCG TCTTGAAATT TTCACGAGTA GTAACCTTTT GCAAGAAGCC

AMP

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4001 GCGGAAAAC TCAAGGATC TTACCGCTGT TGAGATCCAG TTCGATGTAA  
CCGCTTTTGA GAGTTCCTAG AATGGCGACA ACTCTAGGTC AAGCTACATT

AMP

4051 CCCACTCGTG CACCCAAC TG ATCTTCAGCA TCTTTTACTT TCACCAGCGT  
GGGTGAGCAC GTGGGTTGAC TAGAAGTCGT AGAAAATGAA AGTGGTCGCA

AMP

4101 TTCTGGGTGA GCAAAAACAG GAAGGC AAAA TGCCGCAAAA AAGGGAATAA  
AAGACCCACT CGTTTTTGT CTTCCGTTTT ACGGCGTTTT TTCCCTTATT

AMP

4151 GGGCGACACG GAAATGTTGA ATACTCATA CTTTCCTTTT TCAATATTAT  
CCCCTGTGC CTTTACAAC TATGAGTATG AGAAGGAAAA AGTTATAATA

AMP

4201 TGAAGCATT ATCAGGGTTA TTGTCTCATG AGCGGATACA TATTTGAATG  
ACTTCGTAAA TAGTCCCAAT AACAGAGTAC TCGCCTATGT ATAAACTTAC

4251 TATTTAGAAA AATAAACAAA TAGGGGTTCC GCGCACATTT CCCCAGAAAAG  
ATAAATCTTT TTATTTGTTT ATCCCAAGG CGCGTGTAAG GGGGCTTTTC

4301 TGCCACCTGA CGTCTAAGAA ACCATTATTA TCATGACATT AACCTATAAA  
ACGGTGGACT GCAGATTCTT TGGTAATAAT AGTACTGTAA TTGGATATTT

4351 AATAGGCGTA TCACGAGGCC CTTTCGTC  
TTATCCGCAT AGTGCTCCGG GAAAGCAG