

pSAT1-nEYFP-N1

1	TCGCGCGTTT	CGGTGATGAC	GGTAAAAACC	TCTGACACAT	GCAGCTCCCG
	AGCGCGCAAA	GCCACTACTG	CCACTTTTTGG	AGACTGTGTA	CGTCGAGGGC
51	GAGACGGTCA	CAGCTTGTCT	GTAAGCGGAT	GCCGGGAGCA	GACAAGCCCC
	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	ATTCCGCCATT
	GGCGTGTCTA	CGCATTCCTC	TTTTATGGCG	TAGTCCGCGG	TAAGCGGTAA
251	CAGGCTGCGC	AACTGTTGGG	AAGGGCGATC	GGTGCGGGCC	TCTTCGCTAT
	GTCCGACGCG	TTGACAACCC	TTCCCGCTAG	CCACGCCCGG	AGAAGCGATA
301	TACGCCAGCT	GCGCAAAGGG	GGATGTGCTG	CAAGGCGATT	AAGTTGGGTA
	ATGCGGTCGA	CCGCTTTCCC	CCTACACGAC	GTTCCGCTAA	TTCAACCCAT
351	ACGCCAGGGT	TTTCCCAGTC	ACGACGTTGT	AAAACGACGG	CCAGTGCCGG
	TGCGGTCCCA	AAAGGGTCAG	TGCTGCAACA	TTTTGCTGCC	GGTCACGGCC
	Ascl		CaMV 35S promoter		Ascl
	Ascl				Ascl
401	CGCGCCACCG	GTCAACATGT	GGAGCACGAC	ACACTTGTCT	ACTCCAAAAA
	GCGCGGTGGC	CAGTTGTACA	CCTCGTGCTG	TGTGAACAGA	TGAGGTTTTT
		CaMV 35S promoter			
451	TATCAAAGAT	ACAGTCTCAG	AAGACCAAAG	GGCAATTGAG	ACTTTTCAAC
	ATAGTTTCTA	TGTCAGAGTC	TTCTGGTTTC	CCGTAACTC	TGAAAAGTTG
		CaMV 35S promoter			
501	AAAGGGTAAT	ATCCGAAAAC	CTCCTCGGAT	TCCATTGCC	AGCTATCTGT
	TTTCCCATTA	TAGGCCTTTG	GAGGAGCCTA	AGGTAACGGG	TCGATAGACA
		BspEI			
		BspEI			
551	CACTTTATTG	TGAAGATAGT	GGAAAAGGAA	GGTGGCTCCT	ACAAATGCCA
	GTGAAATAAC	ACTTCTATCA	CCTTTTCCTT	CCACCGAGGA	TGTTTACGGT

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	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	GGTGCTCCT	CGTAGCACCT	TTTTCTTCTG
	CaMV 35S promoter				
701	GTTCCAACCA	CGTCTTCAAA	GCAAGTGGAT	TGATGTGATA	ACATGGTGGGA
	CAAGGTTGGT	GCAGAAGTTT	CGTTCACCTA	ACTACACTAT	TGTACCACCT
	CaMV 35S promoter				
751	GCACGACACA	CTTGTCTACT	CCAAAAATAT	CAAAGATACA	GTCTCAGAAG
	CGTGCTGTGT	GAACAGATGA	GGTTTTTATA	GTTTCTATGT	CAGAGTCTTC
	CaMV 35S promoter				
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	ACCCACACC
	AGCAACTTCT	ACGGAGACGG	CTGTCACCAG	GGTTTCTACC	TGGGGTGGG
	CaMV 35S promoter				
1001	ACGAGGAGCA	TCGTGAAAA	AGAAGACGTT	CCAACCACGT	CTTCAAAGCA
	TGCTCCTCGT	AGCACCTTTT	TCTTCTGCAA	GGTTGGTGCA	GAAGTTTCGT
	CaMV 35S promoter				
1051	AGTGGATTGA	TGTGATATCT	CCACTGACGT	AAGGGATGAC	GCACAATCCC
	TCACCCTAAGT	ACACTATAGA	GGTGACTGCA	TTCCCTACTG	CGTGTTAGGG

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1101 ACTATCCTTC GCAAGACCCT TCCTCTATAT AAGGAAGTTC ATTTTCATTTG  
 TGATAGGAAG CGTTCCTGGGA 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

1251 TAAAGCAAAA GCAATTTTCT GAAAATTTTC ACCATTTACG AACGATAGCC  
 ATTTTCGTTTT CGTTAAAAGA CTTTTAAAAG TGGTAAATGC TTGCTATCGG

NcoI

MCS

1301 ATGGTCCGGA CTCAGATCTC GAGCTCAAGC TTCGAATTCT GCAGTCGACG  
 TACCAGGCCT GAGTCTAGAG CTCGAGTTCG AAGCTTAAGA CGTCAGCTGC

BspEI

SacI

PstI

KpnI

XhoI

Sall

NcoI

BglII

HindIII

EcoRI

Accl

MCS

1351 GTACCGCGGG CCCGGGATCC TGATGGTGAG CAAGGGCGAG GAGCTGTTCA  
 CATGGCGCCC GGGCCCTAGG ACTACCACTC GTTCCCGCTC CTCGACAAGT

BamHI

nEYFP

SacII

XmaI

KpnI

SmaI

nEYFP

1401 CCGGGGTGGT GCCCATCCTG GTCGAGCTGG ACGGCGACGT AAACGGCCAC  
 GGCCCCACCA CGGGTAGGAC CAGCTCGACC TGCCCGTGCA TTTGCCGGTG

nEYFP

1451 AAGTTCAGCG TGTCCGGCGA GGGCGAGGGC GATGCCACCT ACGGCAAGCT  
 TTCAAGTCGC ACAGCCGCT CCCGCTCCC GCTACGGTGGA TGCCGTTCTGA

nEYFP

1501 GACCCTGAAG TTCATCTGCA CCACCGCAA GCTGCCCGTG CCCTGGCCCA  
 CTGGGACTTC AAGTAGACGT GGTGGCCGTT CGACGGGCAC GGGACCGGGT

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	nEYFP				
			PstI		
1551	CCCTCGTGAC	CACCTTCGGC	TACGGCCTGC	AGTGCTTCGC	CCGCTACCCC
	GGGAGCACTG	GTGGAAGCCG	ATGCCGGACG	TCACGAAGCG	GGCGATGGGG
	nEYFP				
1601	GACCACATGA	AGCAGCACGA	CTTCTTCAAG	TCCGCCATGC	CCGAAGGCTA
	CTGGTGTACT	TCGTCGTGCT	GAAGAAGTTC	AGGCGGTACG	GGCTCCGAT
	nEYFP				
1651	CGTCCAGGAG	CGCACCATCT	TCTTCAAGGA	CGACGGCAAC	TACAAGACCC
	GCAGGTCCTC	GCGTGGTAGA	AGAAGTTCCT	GCTGCCGTTG	ATGTTCTGGG
	nEYFP				
1701	GCGCCGAGGT	GAAGTTCGAG	GGCGACACCC	TGGTGAACCG	CATCGAGCTG
	CGCGGCTCCA	CTTCAAGCTC	CCGCTGTGGG	ACCACTTGGC	GTAGCTCGAC
	nEYFP				
1751	AAGGGCATCG	ACTTCAAGGA	GGACGGCAAC	ATCCTGGGGC	ACAAGCTGGA
	TTCCCGTAGC	TGAAGTTCCT	CCTGCCGTTG	TAGGACCCCG	TGTTTCGACCT
	nEYFP				
1801	GTACAACTAC	AACAGCCACA	ACGTCTATAT	CATGGCCGAC	AAGCAGAAGA
	CATGTTGATG	TTGTTCGGTGT	TGCAGATATA	GTACCGGCTG	TTCGTCTTCT
	nEYFP				
1851	ACGGCATCAA	GGTGAAC TTC	AAGATCCGCC	ACAACATCGA	GGACTGAAGA
	TGCCGTAGTT	CCACTTGAAG	TTCTAGGCGG	TGTTGTAGCT	CCTGACTTCT
	CaMV 35S terminator				
			XbaI		
1901	TCCACCTAGT	CTAGAGTCCG	CAAAAATCAC	CAGTCTCTCT	CTACAAATCT
	AGGTGGATCA	GATCTCAGGC	GTTTTTGTAGT	GTCAGAGAGA	GATGTTTAGA
	CaMV 35S terminator				
1951	ATCTCTCTCT	ATTTTTCTCC	AGAATAATGT	GTGAGTAGTT	CCCAGATAAG
	TAGAGAGAGA	TAAAAAGAGG	TCTTATTACA	CACTCATCAA	GGGTCTATTC
	CaMV 35S terminator				
2001	GGAATTAGGG	TTCTTATAGG	GTTTCGCTCA	TGTGTTGAGC	ATATAAGAAA
	CCTTAATCCC	AAGAATATCC	CAAAGCGAGT	ACACAACTCG	TATATTCTTT

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	CaMV 35S terminator				
2051	CCCTTAGTAT	GTATTTGTAT	TTGTAAAATA	CTTCTATCAA	TAAAATTTCT
	GGAATCATA	CATAAACATA	AACATTTTAT	GAAGATAGTT	ATTTTAAAGA
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="color: red; text-align: center;">CaMV 35S terminator</div> <div style="color: blue; text-align: center;">                     SacII  </div> <div style="color: blue; text-align: center;">                     NotI  </div> <div style="color: blue; text-align: center;">                     AscI  </div> </div>				
2101	AATTCCTAAA	ACCAAAATCC	AGTGACGCGG	CCGCGGCGCG	CCGTAATCAT
	TTAAGGATTT	TGGTTTTAGG	TCACTGCGCC	GCGCGCGCGC	GGCATTAGTA
2151	GGTCATAGCT	GTTTCCTGTG	TGAAATTGTT	ATCCGCTCAC	AATTCCACAC
	CCAGTATCGA	CAAAGGACAC	ACTTTAACAA	TAGGCGAGTG	TTAAGGTGTG
2201	AACATACGAG	CCGGAAGCAT	AAAGTGTA	GCCTGGGGTG	CCTAATGAGT
	TTGTATGCTC	GGCCTTCGTA	TTTCACATTT	CGGACCCAC	GGATTACTCA
2251	GAGCTAACTC	ACATTAATTG	CGTTGCGCTC	ACTGCCCGCT	TTCCAGTCGG
	CTCGATTGAG	TGTAATTAAC	GCAACGCGAG	TGACGGGCGA	AAGGTCAGCC
2301	GAAACCTGTC	GTGCCAGCTG	CATTAATGAA	TCGGCCAACG	CGCGGGGAGA
	CTTTGGACAG	CACGGTCGAC	GTAATTACTT	AGCCGGTTGC	GCGCCCCTCT
2351	GGCGGTTTGC	GTATTGGGCG	CTCTTCCGCT	TCCTCGCTCA	CTGACTCGCT
	CCGCCAAACG	CATAACCCGC	GAGAAGGCGA	AGGAGCGAGT	GAAGGTCAGCC
2401	GCGCTCGGTC	GTTTCGGCTGC	GGCGAGCGGT	ATCAGCTCAC	TCAAAGGCGG
	CGCGAGCCAG	CAAGCCGACG	CCGCTCGCCA	TAGTCGAGTG	AGTTTCCGCC
2451	TAATACGGTT	ATCCACAGAA	TCAGGGGATA	ACGCAGGAAA	GAACATGTGA
	ATTATGCCAA	TAGGTGTCTT	AGTCCCCTAT	TGCGTCCTTT	CTTGTACTACT
2501	GCAAAAAGGCC	AGCAAAAAGGC	CAGGAACCGT	AAAAAGGCCG	CGTTGCTGGC
	CGTTTTCCGG	TCGTTTTCCG	GTCCTTGGA	TTTTTCCGGC	GCAACGACCG
2551	GTTTTTCCAT	AGGCTCCGCC	CCCCTGACGA	GCATCACAAA	AATCGACGCT
	CAAAAAGGTA	TCCGAGGCGG	GGGACTGCT	CGTAGTGTTT	TTAGCTGCGA
2601	CAAGTCAGAG	GTGGCGAAAC	CCGACAGGAC	TATAAAGATA	CCAGGCCTTT
	GTTCAGTCTC	CACCGCTTTG	GGCTGTCTTG	ATATTTCTAT	GGTCCGCAAA
2651	CCCCCTGAA	GCTCCCTCGT	GCGCTCTCCT	GTTCCGACCC	TGCCGCTTAC
	GGGGACCTT	CGAGGGAGCA	CGCGAGAGGA	CAAGGCTGGG	ACGGCGAATG
2701	CGGATACCTG	TCCGCCTTTC	TCCCTTCGGG	AAGCGTGGCG	CTTTCTCAAT
	GCCTATGGAC	AGGCGGAAAG	AGGGAAGCCC	TTCGCACCGC	GAAAGAGTTA

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2751	GCTCACGCTG	TAGGTATCTC	AGTTCGGTGT	AGGTCGTTCG	CTCCAAGCTG
	CGAGTGCAC	ATCCATAGAG	TCAAGCCACA	TCCAGCAAGC	GAGGTTTCGAC
2801	GGCTGTGTGC	ACGAACCCCC	CGTTCAGCCC	GACCGCTGCG	CCTTATCCGG
	CCGACACACG	TGCTTGGGGG	GCAAGTCGGG	CTGGCGACGC	GGAATAGGCC
2851	TAACTATCGT	CTTGAGTCCA	ACCCGGTAAG	ACACGACTTA	TCGCCACTGG
	ATTGATAGCA	GAACTCAGGT	TGGGCCATTC	TGTGCTGAAT	AGCGGTGACC
2901	CAGCAGCCAC	TGGTAACAGG	ATTAGCAGAG	CGAGGTATGT	AGGCGGTGCT
	GTCGTGCGTG	ACCATTGTCC	TAATCGTCTC	GCTCCATACA	TCCGCCACGA
2951	ACAGAGTTCT	TGAAGTGGTG	GCCTAACTAC	GGCTACACTA	GAAGGACAGT
	TGTCTCAAGA	ACTTCACCAC	CGGATTGATG	CCGATGTGAT	CTTCCTGTCA
3001	ATTTGGTATC	TGCGCTCTGC	TGAAGCCAGT	TACCTTCGGA	AAAAGAGTTG
	TAAACCATAG	ACGCGAGACG	ACTTCGGTCA	ATGGAAGCCT	TTTTCTCAAC
3051	GTAGCTCTTG	ATCCGGCAAA	CAAACCACCG	CTGGTAGCGG	TGGTTTTTTT
	CATCGAGAAC	TAGGCCGTTT	GTTTGGTGCC	GACCATCGCC	ACCAAAAAAA
3101	GTTTGCAAGC	AGCAGATTAC	GCGCAGAAAA	AAAGGATCTC	AAGAAGATCC
	CAAACGTTTC	TCGTCTAATG	CGCGTCTTTT	TTTCCTAGAG	TTCTTCTAGG
3151	TTTGATCTTT	TCTACGGGGT	CTGACGCTCA	GTGGAACGAA	AACTCACGTT
	AAACTAGAAA	AGATGCCCCA	GACTGCGAGT	CACCTTGCTT	TTGAGTGCAA
3201	AAGGGATTTT	GGTCATGAGA	TTATCAAAAA	GGATCTTCAC	CTAGATCCTT
	TTCCCTAAAA	CCAGTACTCT	AATAGTTTTT	CCTAGAAGTG	GATCTAGGAA
3251	TTAAATTTAA	AATGAAGTTT	TAAATCAATC	TAAAGTATAT	ATGAGTAAAC
	AATTTAATTT	TTACTTCAAA	ATTTAGTTAG	ATTTTCATATA	TACTCATTTG
3301	TTGGTCTGAC	AGTTACCAAT	GCTTAATCAG	TGAGGCACCT	ATCTCAGCGA
	AACCAGACTG	TCAATGGTTA	CGAATTAGTC	ACTCCGTGGA	TAGAGTCGCT
					AMP
3351	TCTGTCTATT	TCGTTTCATCC	ATAGTTGCCT	GACTCCCCGT	CGTGTAGATA
	AGACAGATAA	AGCAAGTAGG	TATCAACGGA	CTGAGGGGCA	GCACATCTAT
					AMP
3401	ACTACGATAC	GGGAGGGCTT	ACCATCTGGC	CCCAGTGCTG	CAATGATACC
	TGATGCTATG	CCCTCCCGAA	TGGTAGACCG	GGGTCACGAC	GTTACTATGG
					AMP

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3451 GCGAGACCCA CGCTCACCGG CTCCAGATTT ATCAGCAATA AACCAGCCAG  
CGCTCTGGGT GCGAGTGGCC GAGGTCTAAA TAGTCGTTAT TTGGTCGGTC

AMP

3501 CCGGAAGGGC CGAGCGCAGA AGTGGTCCTG CAACTTTATC CGCCTCCATC  
GGCCTTCCCG GCTCGCGTCT TCACCAGGAC GTTGAAATAG GCGGAGGTAG

AMP

3551 CAGTCTATTA ATTGTTGCCG GGAAGCTAGA GTAAGTAGTT CGCCAGTTAA  
GTCAGATAAT TAACAACGGC CCTTCGATCT CATTTCATCAA GCGGTCAATT

AMP

3601 TAGTTTGCGC AACGTTGTTG CCATTGCTAC AGGCATCGTG GTGTCACGCT  
ATCAAACGCG TTGCAACAAC GGTAACGATG TCCGTAGCAC CACAGTGCGA

AMP

3651 CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCCAACG ATCAAGGCGA  
GCAGCAAACC ATACCGAAGT AAGTCGAGGC CAAGGGTTGC TAGTTCCGCT

AMP

3701 GTTACATGAT CCCCATGTT GTGCAAAAAA GCGGTTAGCT CCTTCGGTCC  
CAATGTACTA GGGGGTACAA CACGTTTTTTT CGCCAATCGA GGAAGCCAGG

AMP

3751 TCCGATCGTT GTCAGAAGTA AGTTGGCCGC AGTGTATCA CTCATGGTTA  
AGGCTAGCAA CAGTCTTCAT TCAACCGGCG TCACAATAGT GAGTACCAAT

AMP

3801 TGGCAGCACT GCATAATTCT CTTACTGTCA TGCCATCCGT AAGATGCTTT  
ACCGTCGTGA CGTATTAAGA GAATGACAGT ACGGTAGGCA TTCTACGAAA

AMP

3851 TCTGTGACTG GTGAGTACTC AACCAAGTCA TTCTGAGAAT AGTGTATGCG  
AGACACTGAC CACTCATGAG TTGGTTCAGT AAGACTCTTA TCACATACGC

AMP

3901 GCGACCGAGT TGCTCTTGCC CGGCGTCAAT ACGGGATAAT ACCGCGCCAC  
CGCTGGCTCA ACGAGAACGG GCCGCAGTTA TGCCCTATTA TGGCGCGGTG

AMP

3951 ATAGCAGAAC TTTAAAAGTG CTCATCATTG GAAAACGTTT TTCGGGGCGA  
TATCGTCTTG AAATTTTCAC GAGTAGTAAC CTTTTGCAAG AAGCCCCGCT

AMP

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4001 AAACTCTCAA GGATCTTACC GCTGTTGAGA TCCAGTTCGA TGTAACCCAC  
TTTGAGAGTT CCTAGAATGG CGACAACCTCT AGGTCAAGCT ACATTGGGTG

AMP

4051 TCGTGCACCC AACTGATCTT CAGCATCTTT TACTTTTCACC AGCGTTTCTG  
AGCACGTGGG TTGACTAGAA GTCGTAGAAA ATGAAAAGTGG TCGCAAAGAC

AMP

4101 GGTGAGCAAA AACAGGAAGG CAAAATGCCG CAAAAAAGGG AATAAGGGCG  
CCACTCGTTT TTGTCCCTTC GTTTTACGGC GTTTTTTCCC TTATTCCC GC

AMP

4151 ACACGGAAAT GTTGAATACT CATACTCTTC CTTTTTCAAT ATTATTGAAG  
TGTGCCTTTA CAACTTATGA GTATGAGAAG GAAAAAGTTA TAATAACTTC

AMP

4201 CATTATCAG GGTATTGTC TCATGAGCGG ATACATATTT GAATGTATTT  
GTAAATAGTC CCAATAACAG AGTACTCGCC TATGTATAAA CTTACATAAA

4251 AGAAAAATAA ACAAATAGGG GTTCCGCGCA CATTTCCTCCG AAAAGTGCCA  
TCTTTTTATT TGTTTATCCC CAAGGCGCGT GTAAAGGGGC TTTTCACGGT

4301 CCTGACGTCT AAGAAACCAT TATTATCATG ACATTAACCT ATAAAAATAG  
GGACTGCAGA TTCTTTGGTA ATAATAGTAC TGTAATTGGA TATTTTTATC

4351 GCGTATCACG AGGCCCTTTC GTC  
CGCATAGTGC TCCGGGAAAG CAG