

pSAT4-cEYFP-C1-B

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	ATTTCGCCATT
	GGCGTGTCTA	CGCATTCCTC	TTTTATGGCG	TAGTCCGCGG	TAAGCGGTAA
251	CAGGCTGCGC	AACTGTTGGG	AAGGGCGATC	GGTGCGGGCC	TCTTCGCTAT
	GTCCGACGCG	TTGACAACCC	TTCCCCTAG	CCACGCCCGG	AGAAGCGATA
301	TACGCCAGCT	GCGGAAAGGG	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 TTTCCTTTCC 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

CaMV 35S promoter

801 GTCTCAGAAG ACCAAAGGGC AATTGAGACT TTTCAACAAA GGGTAATATC  
CAGAGTCTTC TGGTTTCCCG TTAACCTCTGA AAAGTTGTTT CCCATTATAG

CaMV 35S promoter

851 CGGAAACCTC CTCGGATTCC ATTGCCCAGC TATCTGTCAC TTTATTGTGA  
GCCTTTGGAG GAGCCTAAGG TAACGGGTCG ATAGACAGTG AAATAACACT

CaMV 35S promoter

901 AGATAGTGGA AAAGGAAGGT GGCTCCTACA AATGCCATCA TTGCGATAAA  
TCTATCACCT TTTCCCTCCA 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  
TGGGGGTGGG 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

5'UTR\_1

1151 ATTTTCATTTG GAGAGGACGT CGAGAGTTCT CAACACAACA TATACAAAAC  
TAAAGTAAAC CTCTCCTGCA GCTCTCAAGA GTTGTGTTGT ATATGTTTTG

5'UTR\_1

1201 AAACGAATCT CAAGCAATCA AGCATTCTAC TTCTATTGCA GCAATTTAAA  
TTTGCTTAGA GTTCGTTAGT TCGTAAGATG AAGATAACGT CGTTAAATTT

5'UTR\_1

1251 TCATTTCTTT TAAAGCAAAA GCAATTTTCT GAAAATTTTC ACCATTTACG  
AGTAAAGAAA ATTTTCGTTTT CGTTAAAAGA CTTTTAAAAG TGGTAAATGC

5'UTR\_1

cEYFP

NcoI

1301 AACGATAGCC ATGGGCGGCA GCGTGCAGCT CGCCGACCAC TACCAGCAGA  
TTGCTATCGG TACCCGCCGT CGCACGTCGA GCGGCTGGTG ATGGTCGTCT

cEYFP

1351 ACACCCCAT CGGCGACGGC CCCGTGCTGC TGCCCGACAA CCACTACCTG  
TGTGGGGTA GCCGCTGCCG GGCACGACG ACGGGCTGTT GGTGATGGAC

cEYFP

1401 AGCTACCAGT CCGCCCTGAG CAAAGACCCC AACGAGAAGC GCGATCACAT  
TCGATGGTCA GCGGGACTC GTTTCTGGGG TTGCTCTTCG CGCTAGTGTA

cEYFP

1451 GGTCTTGCTG GAGTTCGTGA CCGCCGCCGG GATCACTCTC GGCATGGACG  
CCAGGACGAC CTTAAGCACT GGCGGCGGCC CTAGTGAGAG CCGTACCTGC

MCS

cEYFP

BspEI

XhoI

HindIII

EcoRI

BglII

SacI

PstI

1501 AGCTGTACAA GTCCGGACTC AGATCTCGAG CTCAAGCTTC GAATTCTGCA  
TCGACATGTT CAGGCCTGAG TCTAGAGCTC GAGTTCGAAG CTTAAGACGT

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	PstI v			BamHI	CaMV 35S terminator
			MCS		
		KpnI	XmaI		
	Sall				
	Accl		SmaI	XbaI	
1551	GTCGACGGTA	CCGCGGGCCC	GGGATCCACC	TGATCTAGAG	TCCGCAAAAA
	CAGCTGCCAT	GGCGCCCGGG	CCCTAGGTGG	ACTAGATCTC	AGGCGTTTTT
					CaMV 35S terminator
1601	TCACCAGTCT	CTCTCTACAA	ATCTATCTCT	CTCTATTTTT	CTCCAGAATA
	AGTGGTCAGA	GAGAGATGTT	TAGATAGAGA	GAGATAAAAA	GAGGTCTTAT
					CaMV 35S terminator
1651	ATGTGTGAGT	AGTTCCAGTA	TAAGGGAATT	AGGGTTCCTTA	TAGGGTTTCG
	TACACACTCA	TCAAGGTCT	ATTCCCTTAA	TCCCAAGAAT	ATCCCAAAGC
					CaMV 35S terminator
1701	CTCATGTGTT	GAGCATATAA	GAAACCCTTA	GTATGTATTT	GTATTTGTAA
	GAGTACACAA	CTCGTATATT	CTTTGGGAAT	CATACATAAA	CATAAACATT
					CaMV 35S terminator
1751	AATACTTCTA	TCAATAAAAAT	TTCTAATTCC	TAAAACCAAA	ATCCAGTGAC
	TTATGAAGAT	AGTTATTTTA	AAGATTAAGG	ATTTTGGTTT	TAGGTCACTG
					NotI
1801	GCGGCCGCAT	TACCCTGTTA	TCCCTAGTAA	TCATGGTCAT	AGCTGTTTCC
	CGCCGGCGTA	ATGGGACAAT	AGGGATCATT	AGTACCAGTA	TCGACAAAGG
					I-SceI
1851	TGTGTGAAAT	TGTTATCCGC	TCACAATTCC	ACACAACATA	CGAGCCGGAA
	ACACACTTTA	ACAATAGGCG	AGTGTTAAGG	TGTGTTGTAT	GCTCGGCCTT
1901	GCATAAAGTG	TAAAGCCTGG	GGTGCCTAAT	GAGTGAGCTA	ACTCACATTA
	CGTATTTTAC	ATTTTCGGAC	CCACGGATTA	CTCACTCGAT	TGAGTGTAAT
1951	ATTGCGTTGC	GCTCACTGCC	CGCTTTCCAG	TCGGGAAACC	TGTCGTGCCA
	TAACGCAACG	CGAGTGACGG	GCGAAAGGTC	AGCCCTTTGG	ACAGCACGGT
2001	GCTGCATTAA	TGAATCGGCC	AACGCGCGGG	GAGAGGCGGT	TTGCGTATTG
	CGACGTAATT	ACTTAGCCGG	TTGCGCGCCC	CTCTCCGCCA	AACGCATAAC
2051	GGCGCTCTTC	CGCTTCCTCG	CTCACTGACT	CGCTGCGCTC	GGTCGTTCCG
	CCGCGAGAAG	GCGAAGGAGC	GAGTGACTGA	GCGACGCGAG	CCAGCAAGCC

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2101	CTGCGGCGAG	CGGTATCAGC	TCACTCAAAG	GCGGTAATAC	GGTTATCCAC
	GACGCCGCTC	GCCATAGTCG	AGTGAGTTTC	CGCCATTATG	CCAATAGGTG
2151	AGAATCAGGG	GATAACGCAG	GAAAGAACAT	GTGAGCAAAA	GGCCAGCAAA
	TCTTAGTCCC	CTATTGCGTC	CTTTCTTGTA	CACTCGTTTT	CCGGTCGTTT
2201	AGGCCAGGAA	CCGTAAAAAG	GCCGCGTTGC	TGGCGTTTTT	CCATAGGCTC
	TCCGGTCCTT	GGCATTTTTT	CGGCGCAACG	ACCGCAAAAA	GGTATCCGAG
2251	CGCCCCCTG	ACGAGCATCA	CAAAAATCGA	CGCTCAAGTC	AGAGGTGGCG
	GCGGGGGAC	TGCTCGTAGT	GTTTTTAGCT	GCGAGTTCAG	TCTCCACCGC
2301	AAACCCGACA	GGACTATAAA	GATACCAGGC	GTTTCCCCCT	GGAAGCTCCC
	TTTGGGCTGT	CCTGATATTT	CTATGGTCCG	CAAAGGGGGA	CCTTCGAGGG
2351	TCGTGCGCTC	TCCTGTTCCG	ACCCTGCCGC	TTACCGGATA	CCTGTCCGCC
	AGCACGCGAG	AGGACAAGGC	TGGGACGGCG	AATGGCCTAT	GGACAGGCGG
2401	TTTCTCCCTT	CGGGAAGCGT	GGCGCTTTCT	CAATGCTCAC	GCTGTAGGTA
	AAAGAGGGAA	GCCCTTCGCA	CCGCGAAAGA	GTTACGAGTG	CGACATCCAT
2451	TCTCAGTTCG	GTGTAGGTCG	TTCGCTCCAA	GCTGGGCTGT	GTGCACGAAC
	AGAGTCAAGC	CACATCCAGC	AAGCGAGGTT	CGACCCGACA	CACGTGCTTG
2501	CCCCGTTCA	GCCCGACCGC	TGCGCCTTAT	CCGGTAACTA	TCGTCTTGAG
	GGGGCAAGT	CGGGCTGGCG	ACGCGGAATA	GGCCATTGAT	AGCAGAACTC
2551	TCCAACCCGG	TAAGACACGA	CTTATCGCCA	CTGGCAGCAG	CCACTGGTAA
	AGGTTGGGCC	ATTCTGTGCT	GAATAGCGGT	GACCGTCGTC	GGTGACCATT
2601	CAGGATTAGC	AGAGCGAGGT	ATGTAGGCGG	TGCTACAGAG	TTCTTGAAGT
	GTCCCTAATCG	TCTCGCTCCA	TACATCCGCC	ACGATGTCTC	AAGAACTTCA
2651	GGTGGCCTAA	CTACGGCTAC	ACTAGAAGGA	CAGTATTTGG	TATCTGCGCT
	CCACCGGATT	GATGCCGATG	TGATCTTCCT	GTCATAAACC	ATAGACGCGA
2701	CTGCTGAAGC	CAGTTACCTT	CGGAAAAAGA	GTTGGTAGCT	CTTGATCCGG
	GACGACTTCC	GTCAATGGAA	GCCTTTTTCT	CAACCATCGA	GAAC TAGGCC
2751	CAAACAAACC	ACCGCTGGTA	GCGGTGGTTT	TTTTGTTTTG	AAGCAGCAGA
	GTTTTGTTTT	TGGCGACCAT	CGCCACCAA	AAAACAAACG	TTCGTCTGCT
2801	TTACGCGCAG	AAAAAAAGGA	TCTCAAGAAG	ATCCTTTGAT	CTTTTCTACG
	AATGCGCGTC	TTTTTTTCCT	AGAGTTCTTC	TAGGAAACTA	GAAAAGATGC
2851	GGGTCTGACG	CTCAGTGGAA	CGAAAACTCA	CGTTAAGGGA	TTTTGGTCAT
	CCCAGACTGC	GAGTCACCTT	GCTTTTGAGT	GCAATTCCTT	AAAACCAGTA

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2901 GAGATTATCA AAAAGGATCT TCACCTAGAT CCTTTTAAAT TAAAAATGAA  
 CTCTAATAGT TTTTCCTAGA AGTGGATCTA GGAAAATTTA ATTTTTACTT

2951 GTTTTAAATC AATCTAAAGT ATATATGAGT AAAC TTGGTC TGACAGTTAC  
 CAAAATTTAG TTAGATTTCA TATATACTCA TTTGAACCAG ACTGTCAATG  
 AMP

3001 CAATGCTTAA TCAGTGAGGC ACCTATCTCA GCGATCTGTC TATTTTCGTTC  
 GTTACGAATT AGTCACTCCG TGGATAGAGT CGCTAGACAG ATAAAGCAAG  
 AMP

3051 ATCCATAGTT GCCTGACTCC CCGTCGTGTA GATAACTACG ATACGGGAGG  
 TAGGTATCAA CGGACTGAGG GGCAGCACAT CTATTGATGC TATGCCCTCC  
 AMP

3101 GCTTACCATC TGGCCCCAGT GCTGCAATGA TACCGCGAGA CCCACGCTCA  
 CGAATGGTAG ACCGGGGTCA CGACGTTACT ATGGCGCTCT GGGTGCAGT  
 AMP

3151 CCGGCTCCAG ATTTATCAGC AATAAACCAG CCAGCCGGAA GGGCCGAGCG  
 GGCCGAGGTC TAAATAGTCG TTATTTGGTC GGTCGGCCTT CCCGGCTCGC  
 AMP

3201 CAGAAGTGGT CCTGCAACTT TATCCGCCTC CATCCAGTCT ATTAATTGTT  
 GTCTTCACCA GGACGTTGAA ATAGGCGGAG GTAGGTCAGA TAATTAACAA  
 AMP

3251 GCCGGGAAGC TAGAGTAAGT AGTTCGCCAG TTAATAGTTT GCGCAACGTT  
 CGGCCCTTCG ATCTCATTCA TCAAGCGGTC AATTATCAA CGCGTTGCAA  
 AMP

3301 GTTGCCATTG CTACAGGCAT CGTGGTGTCA CGCTCGTCGT TTGGTATGGC  
 CAACGGTAAC GATGTCCGTA GCACCACAGT GCGAGCAGCA AACCATACCG  
 AMP

3351 TTCATTACAG TCCGTTCC C AACGATCAAG GCGAGTTACA TGATCCCCCA  
 AAGTAAGTCG AGGCCAAGGG TTGCTAGTTC CGCTCAATGT ACTAGGGGGT  
 AMP

3401 TGTTGTGCAA AAAAGCGGTT AGCTCCTTCG GTCCTCCGAT CGTTGTCAGA  
 ACAACACGTT TTTTCGCCAA TCGAGGAAGC CAGGAGGCTA GCAACAGTCT  
 AMP

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3451 AGTAAGTTGG CCGCAGTGTT ATCACTCATG GTTATGGCAG CACTGCATAA  
 TCATTCAACC GCGGTCACAA TAGTGAGTAC CAATACCGTC GTGACGTATT

AMP

3501 TTCTCTTACT GTCATGCCAT CCGTAAGATG CTTTTCTGTG ACTGGTGAGT  
 AAGAGAATGA CAGTACGGTA GGCATTCTAC GAAAAGACAC TGACCACTCA

AMP

3551 ACTCAACCAA GTCATTCTGA GAATAGTGTA TGC GGCGACC GAGTTGCTCT  
 TGAGTTGGTT CAGTAAGACT CTTATCACAT ACGCCGCTGG CTCAACGAGA

AMP

3601 TGCCCCGGCGT CAATACGGGA TAATACCGCG CCACATAGCA GAACTTTAAA  
 ACGGGCCGCA GTTATGCCCT ATTATGGCGC GGTGTATCGT CTTGAAATTT

AMP

3651 AGTGCTCATC ATTGAAAAC GTTCTTCGGG GCGAAAAC TC AAGGATCT  
 TCACGAGTAG TAACCTTTTG CAAGAAGCCC CGCTTTTGAG AGTTCCTAGA

AMP

3701 TACCGCTGTT GAGATCCAGT TCGATGTAAC CCACTCGTGC ACCCAACTGA  
 ATGGCGACAA CTCTAGGTCA AGCTACATTG GGTGAGCACG TGGGTTGACT

AMP

3751 TCTTCAGCAT CTTTTACTTT CACCAGCGTT TCTGGGTGAG CAAAAACAGG  
 AGAAGTCGTA GAAAATGAAA GTGGTCGCAA AGACCCACTC GTTTTTGTCC

AMP

3801 AAGGCAAAAT GCCGCAAAAA AGGGAATAAG GCGGACACGG AAATGTTGAA  
 TTCCGTTTTA CGGCGTTTTT TCCCTTATTC CCGCTGTGCC TTTACAACCT

AMP

3851 TACTCATACT CTTCTTTTT CAATATTATT GAAGCATTTA TCAGGGTTAT  
 ATGAGTATGA GAAGGAAAA GTTATAATAA CTTCTGTAAT AGTCCCAATA

AMP

3901 TGTCTCATGA GCGGATACAT ATTTGAATGT ATTTAGAAAA ATAAACAAAT  
 ACAGAGTACT CGCCTATGTA TAAACTTACA TAAATCTTTT TATTTGTTTA

3951 AGGGGTTCGG CGCACATTTT CCCGAAAAGT GCCACCTGAC GTCTAAGAAA  
 TCCCAAGGC GCGTGTAAG GGGCTTTTCA CGGTGGACTG CAGATTCTTT

4001 CCATTATTAT CATGACATTA ACCTATAAAA ATAGGCGTAT CACGAGGCC  
 GGTAATAATA G TACTGTAAT TGGATATTTT TATCCGCATA GTGCTCCGGG

4051 TTTCGTC  
AAAGCAG

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