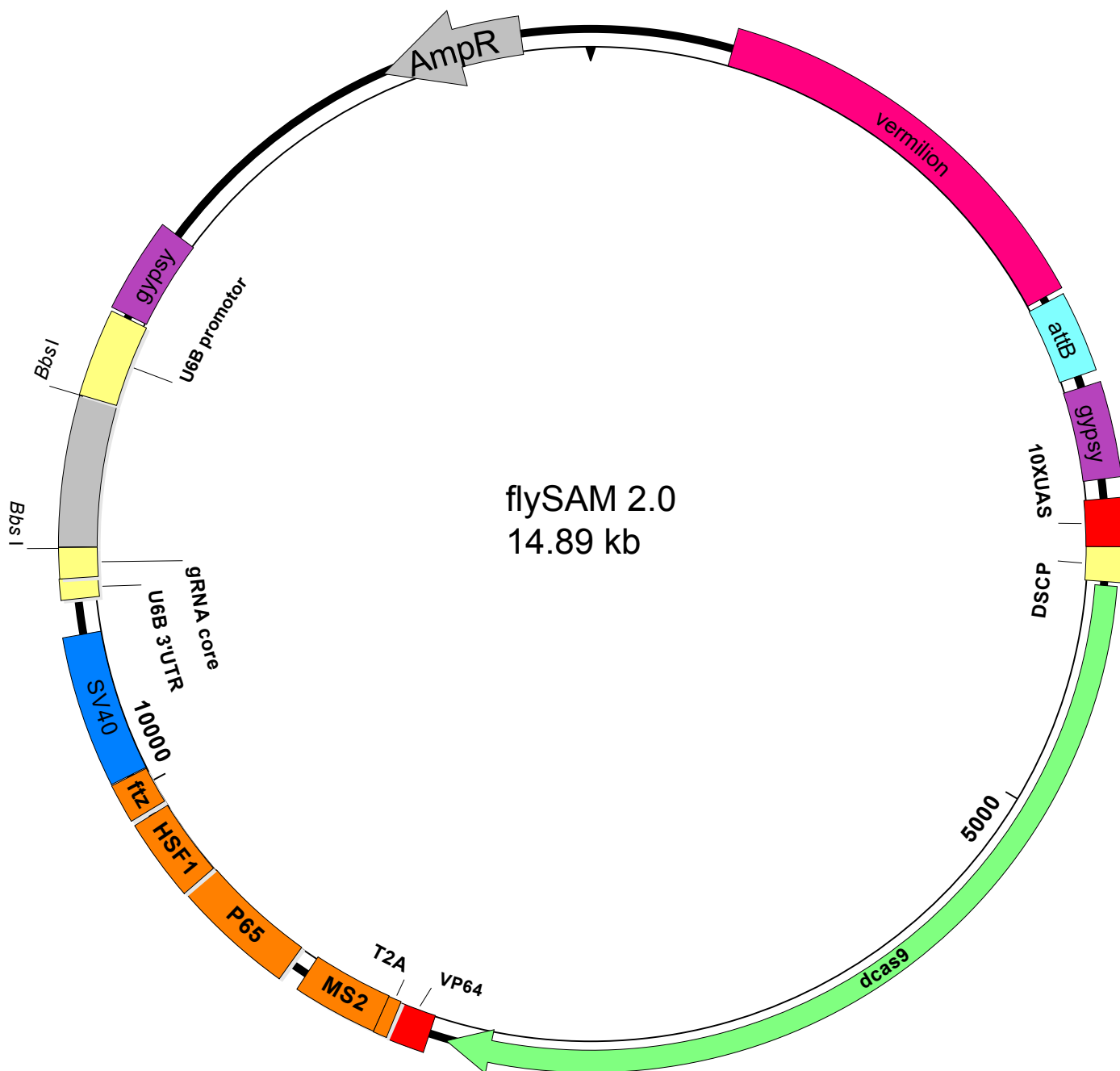




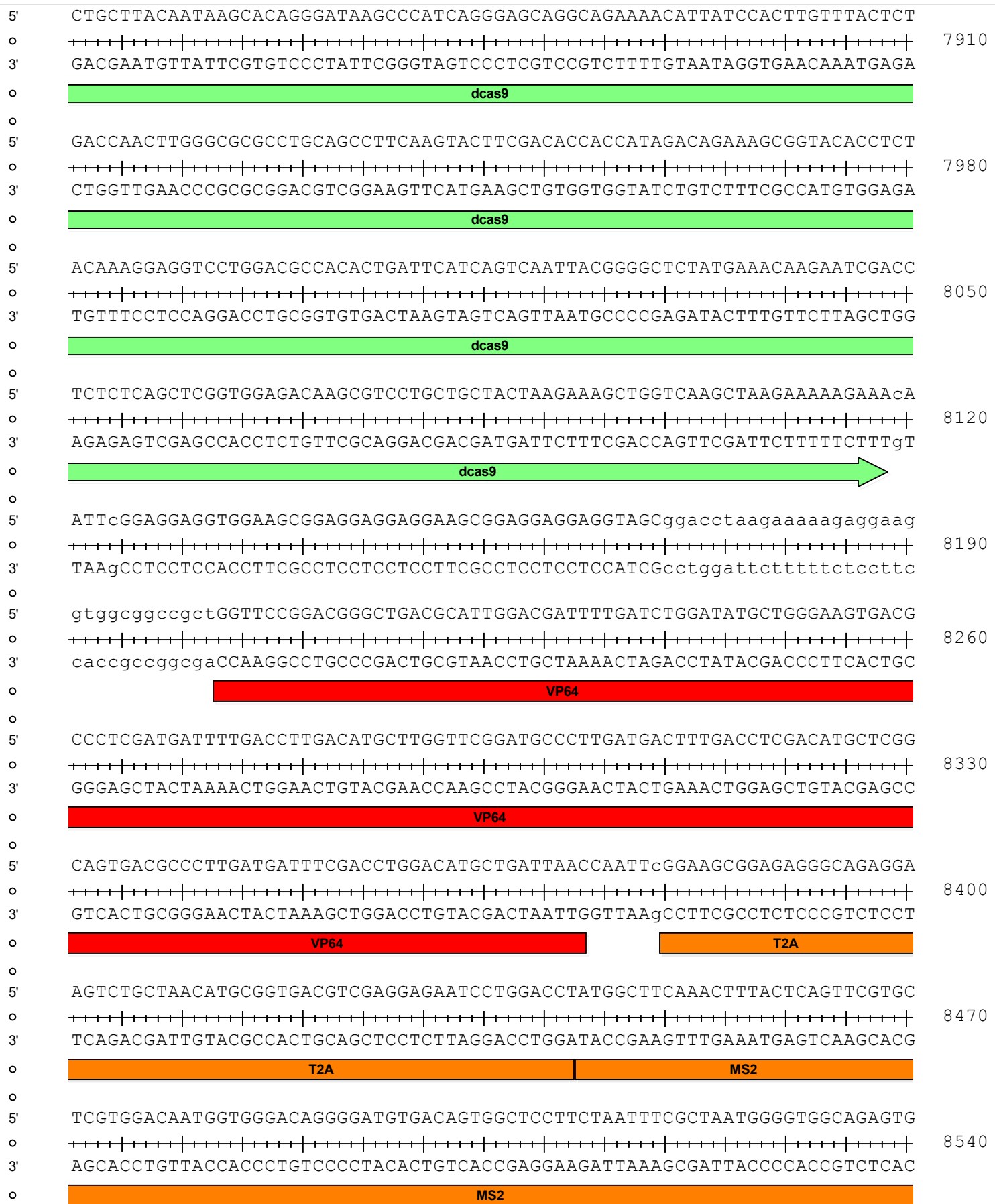
5'	CACCTAAATTGTAAGCGTTAATATTTTGTAAATTCGCGTTAAATTTTGTAAATCAGCTCATTTTTT	
o	+++++	70
3'	GTGGATTTAACATTCGCAATTATAAAACAATTTAAGCGCAATTTAAAAACAATTTAGTCGAGTAAAAA	
o		
5'	AACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAAGAATAGACCGAGATAGGGTTGAGTGTG	
o	+++++	140
3'	TTGGTTATCCGGCTTTAGCCGTTTtagggaatatttagtTTTCTTATCTGGCTCTATCCCAACTCACAAC	
o		
5'	TTCCAGTTTGAACAAGAGTCCACTATTAAAGAACGTGGACTCCAACGTCAAAGGGCGAAAAACCGTCTA	
o	+++++	210
3'	AAGGTCAAACCTTGTTCTCAGGTGATAATTTCTTGACCTGAGGTTGCAGTTTCCCGCTTTTGGCAGAT	
o		
5'	TCAGGGCGATGGCCCACTACGTGAACCATCACCTAATCAAGTTTTTGGGGTCGAGGTGCCGTAAAGCA	
o	+++++	280
3'	AGTCCCGCTACCGGGTGATGCACTTGGTAGTGGGATTAGTTCAAAAACCCCAGCTCCACGGCATTTCGT	
o		
5'	CTAAATCGGAACCTAAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAA	
o	+++++	350
3'	GATTTAGCCTTGGGATTTCCCTCGGGGCTAAATCTCGAACTGCCCCTTTCGGCCGCTTGACACGCTCTT	
o		
5'	AGGAAGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTCACGCTGCGCGTAAC	
o	+++++	420
3'	TCCTTCCCTTCTTTTCGCTTTCCTCGCCCGCGATCCCGCGACCGTTTACATCGCCAGTGCGACGCGCATTG	
o		
5'	CACCACACCCGCCGCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTGCGCATTCAGGCTGCGCAACTGT	
o	+++++	490
3'	GTGGTGTGGGCGGCGGAATTACGCGGCGATGTCCCGCGCAGGGTAAGCGGTAAGTCCGACGCGTTGACA	
o		
5'	TGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCAGCTGGCGAAAGGGGGATGTGCTGCAAGGC	
o	+++++	560
3'	ACCCTTCCCGCTAGCCACGCCCCGAGAAGCGATAATGCGGTGACCGCTTTCCCCCTACACGACGTTCCG	
o		
5'	GATTAAGTTGGGTAACGCCAGGGTTTTCCAGTCACGACGTTGTAAACGACGGCCAGTGAATTGTAATA	
o	+++++	630
3'	CTAATTCAACCCATTGCGGTCCCAAAGGGTCAGTGCTGCAACATTTTGCTGCCGGTCACTTAACATTAT	
o		
5'	CGACTCACTATAGGGCGAATTGGGTACAAGCTTATTTATTTTGTATGTTATATGTATTATATGTCAGAC	
o	+++++	700
3'	GCTGAGTGATATCCCGCTTAACCCATGTTTGAATAAATAAAACAATAACAATATACATAATATACAGTCTG	
o		
o		
o		
5'	ATAAAGAAAAGGAACACATCAAATGTGATAACAAAGACTAAACAAGTAATTTTATTACACCAAACGACA	
o	+++++	770
3'	TATTTCTTTTCCTTGTGTAGTTTACACTATTGTTTCTGATTTGTTTCATTAAATAATGTGGTTTTGCTGT	
o		
o		
o		
5'	AAACAGTAGGCAGAACAAACAACGCATAGCCAAACATTGACGAATTGGATACCCTGCCGATTGTCAGACA	
o	+++++	840
3'	TTTGTATCCGTCTTGTGTTGTTGCGTATCGGTTTGTAAGTCTTAACCTATGGGACGGCTAACAGTCTGT	
o		
o		
o		

5'	CTCCAGTCCGGGCGTCCTCTCCAGCCATCGCTGCACTAGCTCCAGTAGCGAGGGATCTTTCTCCGAGTTG	
o	+++++	1610
3'	GAGGTCAGGCCCGCAGGAGAGGTCGGTAGCGACGTGATCGAGGTCATCGCTCCCTAGAAAGAGGCTCAAC	
o	vermilion	
o		
5'	CGAATCGAGTTCCGCGCCTCCTCGTCGCTAAAGACATCCGAGTACTTCTGGTTGTATCTCACCCGCTGCT	
o	+++++	1680
3'	GCTTAGCTCAAGGCGCGGAGGAGCAGCGATTTCTGTAGGCTCATGAAGACCAACATAGAGTGGGCGACGA	
o	vermilion	
o		
5'	CTGTCAGAACTCCCAGCTTGTTCTCGATCAAACGGAAGTGCAGCGACTGAAAACCAGATGCGGGTGCCAG	
o	+++++	1750
3'	GACAGTCTTGAGGGTCGAACAAGAGCTAGTTTGCCTTGACGTCGCTGACTTTTGGTCTACGCCACGGTC	
o	vermilion	
o		
5'	GTAATTGCGGAAGTCCATGAAGTCTAGCGGGGTCATGGTCTCCAGAATGGGCACTTGGTCCACCAGGAGC	
o	+++++	1820
3'	CATGAACGCCTTCAGGTACTTCAGATCGCCCCAGTACCAGAGGTCTTACCCGTGAACCAGGTGGTCCCTCG	
o	vermilion	
o		
5'	TGTACAAAGGAAGTTATAAACGGATTTTGGTAAGAGATTAGAAAGCACTCACTTTTAGAATCAGAACCA	
o	+++++	1890
3'	ACATGTTTCCTTCAATATTTGCCTAAAACCATTTCTCTAAGTCTTTCGTGAGTGAAAATCTTAGTCTTGGT	
o	vermilion	
o		
5'	CTCGGTTCACTCGCTTGACAATCTCCAGCGTCTTGGTTTCATCGATGACCTCTGCATCCAACATGTCTCG	
o	+++++	1960
3'	GAGCCAAGTCAGCGAACTGTTAGAGGTCGCAGAACCAGTAGCTACTGGAGACGTAGGTTGTACAGAGC	
o	vermilion	
o		
5'	TATGGAGTCGAACTCAAAGATGATCTGCTTGAACCAAAGCTCGTAGGCTGTGGCGAAGGTACTTAAATGC	
o	+++++	2030
3'	ATACCTCAGCTTGAGTTTCTACTAGACGAACTTGGTTTCGAGCATCCGACACCGCTTCCATGAATTTACG	
o	vermilion	
o		
5'	CATTGAGTGTTGTCATCAAAGTTGTAAACCTACTCACCCCTGGTGCGTGATGATGAACAGATGCTCATCGT	
o	+++++	2100
3'	GTAACTCACAACAGTAGTTTCAACATTTGGATGAGTGGGACCACGCACTACTACTTGTCTACGAGTAGCA	
o	vermilion	
o		
5'	GCACGGGTCGCTTGTCCTCCTCGGACAGCATACTGGGCATCCAGCAGTTTGTCCAGCATCAGATACTC	
o	+++++	2170
3'	CGTGCCCAGCGAACAGGAGGAGCCTGTCGTATGTGACCCGTAGGTCGTCAAACAGGTCGTAGTCTATGAG	
o	vermilion	
o		
5'	TCCATAGATTTTGCCCACTTCCGTGGTTAATGGCACCGCCGAATCATCGTGATCGTTTCTGTATGGGTTT	
o	+++++	2240
3'	AGGTATCTAAACGGGTGAAGGCACCAATTACCGTGGCGGCTTAGTAGCACTAGCAAAGACATACCCAAA	
o	vermilion	
o		

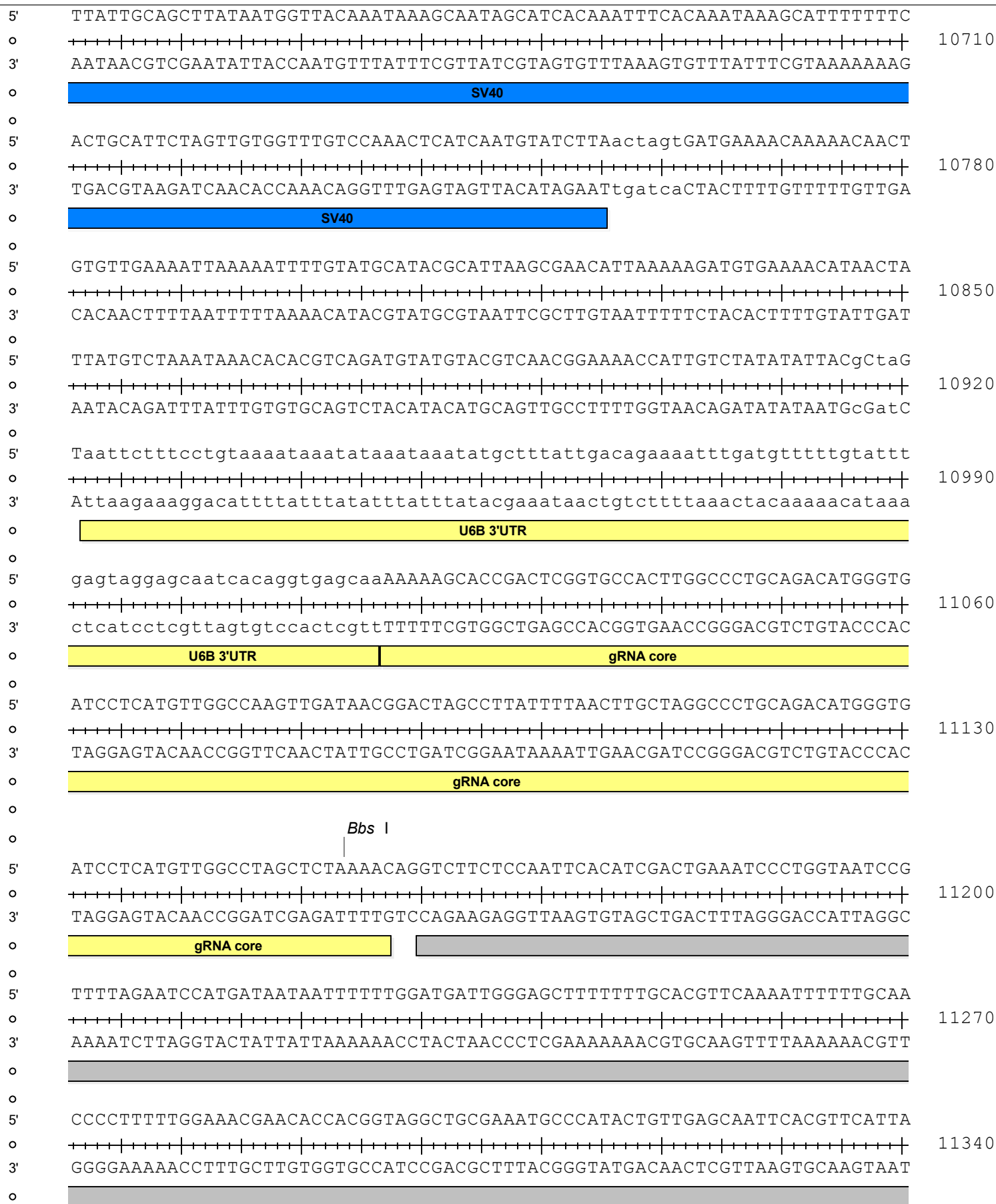
5'	TGTCCTCCGAGCGGAGTACTGTCCTCCGAGCGGAGTACTGTCCTCCGAGCGGAGTACTGTCCTCCGAGCG	
o	+++++	3710
3'	ACAGGAGGCTCGCCTCATGACAGGAGGCTCGCCTCATGACAGGAGGCTCGCCTCATGACAGGAGGCTCGC	
o	10XUAS	
o		
5'	GAGTACTGTCCTCCGAGCGGAGACTCGTCGACGAGCTCGCCCCGGGGATCGAGCGCAGCGGTATAAAAGGG	
o	+++++	3780
3'	CTCATGACAGGAGGCTCGCCTCTGAGCAGCTGCTCGAGCGGGCCCCCTAGCTCGCGTCGCCATATTTTCCC	
o	10XUAS	DSCP
o		
5'	CGCGGGGTGGCTGAGAGCATCAGTTGTGAATGAATGTTTCGAGCCGAGCAGACGTGCCGCTGCCTTCGTTA	
o	+++++	3850
3'	GCGCCCCACCGACTCTCGTAGTCAACACTTACTTACAAGCTCGGCTCGTCTGCACGGCGACGGAAGCAAT	
o	DSCP	
o		
5'	ATATCCTTTGAATAAGCCAACTTTGAATCACAAGACGCATACCAAAGTCTAGAggtacCGCCACCATGGC	
o	+++++	3920
3'	TATAGGAACTTATTTCGGTTGAAACTTAGTGTTCTGCGTATGGTTTCAGATCTccatgCGGGTGGTACCG	
o	DSCP	d...9
o		
5'	CCCAAAGAAGAAGCGGAAGGTCGGTATCCACGGTGTCCCAGCAGCCATGGACAAGAAGTACTCCATTGGG	
o	+++++	3990
3'	GGGTTTCTTCTTCGCCCTTCCAGCCATAGGTGCCACAGGGTCGTCGGTACCTGTTCTTCATGAGGTAACCC	
o	dcas9	
o		
5'	CTCGcTATCGGCACAAACAGCGTCGGCTGGGCCGTCATTACGGACGAGTACAAGGTGCCGAGCAAAAAAT	
o	+++++	4060
3'	GAGCgATAGCCGTGTTTGTGCGAGCCGACCCGGCAGTAATGCCTGCTCATGTTCCACGGCTCGTTTTTTA	
o	dcas9	
o		
5'	TCAAAGTTCTGGGCAATACCGATCGCCACAGCATAAAGAAGAACCTCATTGGCGCCCTCCTGTTGACTC	
o	+++++	4130
3'	AGTTTCAAGACCCGTTATGGCTAGCGGTGTCGTATTTCTTCTTGGAGTAACCGCGGGAGGACAAGCTGAG	
o	dcas9	
o		
5'	CGGGGAGACGGCCGAAGCCACGCGGCTCAAAAGAACAGCACGGCGCAGATATACCCGCAGAAAGAATCGG	
o	+++++	4200
3'	GCCCCCTGCGCGGCTTCGGTGCGCCGAGTTTTCTTGTCGTGCCGCGTCTATATGGGCGTCTTTCTTAGCC	
o	dcas9	
o		
5'	ATCTGCTACCTGCAGGAGATCTTTAGTAATGAGATGGCTAAGGTGGATGACTCTTTCTTCCATAGGCTGG	
o	+++++	4270
3'	TAGACGATGGACGTCTCTAGAAATCATTACTCTACCGATTCCACCTACTGAGAAAGAAGGTATCCGACC	
o	dcas9	
o		
5'	AGGAGTCCTTTTTTGGTGGAGGAGGATAAAAAGCACGAGCGCCACCCAATCTTTGGCAATATCGTGGACGA	
o	+++++	4340
3'	TCCTCAGGAAAAACCACCTCCTCCTATTTTTTCGTGCTCGCGGTGGGTAGAAACCGTTATAGCACCTGCT	
o	dcas9	
o		

5'	GAACGTATCACGATCTCCTGAAAATCATTAAAGACAAGGACTTCCTGGACAATGAGGAGAACGAGGACAT	
o	+++++	5810
3'	CTTGCATAGTGCTAGAGGACTTTTAGTAATTTCTGTTCTCTGAAGGACCTGTTACTCCTCTTGCTCCTGTA	
o	dcas9	
o		
5'	TCTTGAGGACATTGTCCTCACCCCTTACGTTGTTTGAAGATAGGGAGATGATTGAAGAACGCTTGAAAAC	
o	+++++	5880
3'	AGAACTCCTGTAACAGGAGTGGGAATGCAACAACTTCTATCCCTCTACTAACTTCTTGCGAACTTTTGA	
o	dcas9	
o		
5'	TACGCTCATCTCTTCGACGACAAAGTCATGAAACAGCTCAAGAGGCGCCGATATACAGGATGGGGGCGGC	
o	+++++	5950
3'	ATGCGAGTAGAGAAGCTGCTGTTTCAGTACTTTGTTCGAGTTCTCCGCGGCTATATGTCCTACCCCCGCCG	
o	dcas9	
o		
5'	TGTCAAGAAAACGATCAATGGGATCCGAGACAAGCAGAGTGGAAAGACAATCCTGGATTTTCTTAAGTC	
o	+++++	6020
3'	ACAGTTCTTTTGACTAGTTACCCTAGGCTCTGTTTCGTCTCACCTTTCTGTTAGGACCTAAAGAATTTCAG	
o	dcas9	
o		
5'	CGATGGATTTGCCAACCGGAACCTTCATGCAGTTGATCCATGATGACTCTCTCACCTTTAAGGAGGACATC	
o	+++++	6090
3'	GCTACCTAAACGGTTGGCCTTGAAGTACGTCAACTAGGTACTACTGAGAGAGTGGAAATTCTCCTGTAG	
o	dcas9	
o		
5'	CAGAAAGCACAAAGTTTCTGGCCAGGGGACAGTCTgCACGAGCACATCGCTAATCTTGAGGTAGCCAG	
o	+++++	6160
3'	GTCTTTCGTGTTCAAAGACCGGTCCCCCTGTCAGAcGTGCTCGTGTAGCGATTAGAACGTCCATCGGGTC	
o	dcas9	
o		
5'	CTATCAAAAAGGGAATACTGCAGACCGTTAAGGTCGTGGATGAACTCGTCAAAGTAATGGGAAGGCATAA	
o	+++++	6230
3'	GATAGTTTTTCCCTTATGACGTCTGGCAATTCAGCACCTACTTGAGCAGTTTCATTACCCTTCCGTATT	
o	dcas9	
o		
5'	GCCCGAGAATATCGTTATCGAGATGGCCCGAGAGAACCAACTACCCAGAAGGGACAGAAGAACAGTAGG	
o	+++++	6300
3'	CGGGCTCTTATAGCAATAGCTCTACCGGGCTCTCTTGGTTTGATGGGTCTTCCCTGTCTTCTTGTCATCC	
o	dcas9	
o		
5'	GAAAGGATGAAGAGGATTGAAGAGGGTATAAAAGAACTGGGGTCCCAAATCCTTAAGGAACACCCAGTTG	
o	+++++	6370
3'	CTTTCCTACTTCTCCTAACTTCTCCCATATTTTCTTGACCCAGGGTTTAGGAATTCCTTGTGGGTCAAC	
o	dcas9	
o		
5'	AAAACACCCAGCTTCAGAATGAGAAGCTCTACCTGTACTACCTGCAGAACGGCAGGGACATGTACGTGGA	
o	+++++	6440
3'	TTTTGTGGGTGCAAGTCTTACTCTTCGAGATGGACATGATGGACGTCTTGCCGTCCCTGTACATGCACCT	
o	dcas9	
o		

5'	TCAGGAAGTGGACATCAATCGGCTCTCCGACTACGACGTGGATgcTATCGTGCCCCAGTCTTTTCTCAA	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	6510
3'	AGTCCTTGACCTGTAGTTAGCCGAGAGGCTGATGCTGCACCTAcgATAGCACGGGGTCAGAAAAGAGTTT	
o	dcas9	
o		
5'	GATGATTCTATTGATAATAAAGTGTTGACAAGATCCGATAAAAAATAGAGGGAAGAGTGATAACGTCCCT	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	6580
3'	CTACTAAGATAACTATTATTTTACAACCTGTTCTAGGCTATTTTTATCTCCCTTCTCACTATTGCAGGGGA	
o	dcas9	
o		
5'	CAGAAGAAGTTGTCAAGAAAATGAAAAATTATTGGCGGCAGCTGCTGAACGCCAAACTGATCACACAACG	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	6650
3'	GTCTTCTTCAACAGTTCTTTTACTTTTTAATAACCGCCGTCGACGACTTGCGGTTTGACTAGTGTTGTC	
o	dcas9	
o		
5'	GAAGTTCGATAATCTGACTAAGGCTGAACGAGGTGGCCTGTCTGAGTTGGATAAAGCAGGCTTCATCAA	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	6720
3'	CTTCAAGCTATTAGACTGATTCCGACTTGCTCCACCGGACAGACTCAACCTATTTCTGTCGGAAGTAGTTT	
o	dcas9	
o		
5'	AGGCAGCTTGTTGAGACACGCCAGATCACCAAGCACGTGGCCCAAATTCTCGATTCACGCATGAACACCA	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	6790
3'	TCCGTGCAACAACTCTGTGCGGTCTAGTGGTTCGTGCACCGGGTTTAAGAGCTAAGTGCGTACTTGTGGT	
o	dcas9	
o		
5'	AGTACGATGAAAATGACAACTGATTCGAGAGGTGAAAGTTATTACTCTGAAGTCTAAGCTGGTCTCAGA	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	6860
3'	TCATGCTACTTTTACTGTTTGACTAAGCTCTCCACTTTCAATAATGAGACTTCAGATTCGACCAGAGTCT	
o	dcas9	
o		
5'	TTTCAGAAAGGACTTTCAGTTTATAAGGTGAGAGAGATCAACAATTACCACCATGCGCATGATGCCTAC	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	6930
3'	AAAGTCTTTCCTGAAAGTCAAAATATTCCACTCTCTCTAGTTGTTAATGGTGGTACGCGTACTACGGATG	
o	dcas9	
o		
5'	CTGAATGCAGTGGTAGGCACTGCACTTATCAAAAAATATCCCAAGCTTGAATCTGAATTTGTTTACGGAG	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	7000
3'	GACTTACGTCACCATCCGTGACGTGAATAGTTTTTTATAGGGTTCGAACTTAGACTTAAACAAATGCCTC	
o	dcas9	
o		
5'	ACTATAAAGTGTACGATGTTAGGAAAATGATCGCAAAGTCTGAGCAGGAAATAGGCAAGGCCACCGCTAA	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	7070
3'	TGATATTTACATGCTACAATCCTTTTACTAGCGTTTCAGACTCGTCCTTTATCCGTTCCGGTGGCGATT	
o	dcas9	
o		
5'	GTACTTCTTTTACAGCAATATTATGAATTTTTTCAAGACCGAGATTACACTGGCCAATGGAGAGATTTCGG	
o	++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	7140
3'	CATGAAGAAAATGTCGTTATAATACTTAAAAAAGTTCTGGCTCTAATGTGACCGGTTACCTCTCTAAGCC	
o	dcas9	
o		



5'	GATCAGCTCCAACCTCACGGAGCCAGGCCCTACAAGGTGACATGCAGCGTCAGGCAGTCTAGTGCCAGAAg	
o	+++++	8610
3'	CTAGTCGAGGTTGAGTGCCTCGGTCCGATGTTCCACTGTACGTCGCAGTCCGTCAGATCACGGGTCTTc	
o	MS2	
o		
5'	AGAAAGTATACCATCAAGGTGGAGGTCCCCAAAGTGGCTACCCAGACAGTGGGCGGAGTCGAACTGCCTG	
o	+++++	8680
3'	TCTTTCATATGGTAGTTCCACCTCCAGGGGTTTCACCGATGGGTCTGTACCCGCCTCAGCTTGACGGAC	
o	MS2	
o		
5'	TCGCCGCTTGGAGGTCCTACCTGAACATGGAGCTCACTATCCCAATTTTCGCTACCAATTCTGACTGTGA	
o	+++++	8750
3'	AGCGGCGAACCTCCAGGATGGACTTGTACCTCGAGTGATAGGGTTAAAAGCGATGGTTAAGACTGACACT	
o	MS2	
o		
5'	ACTCATCGTGAAGGCAATGCAGGGGCTCCTCAAAGACGGTAATCCTATCCCTTCCGCCATCGCCGCTAAC	
o	+++++	8820
3'	TGAGTAGCACTTCCGTTACGTCCCCGAGGAGTTTCTGCCATTAGGATAGGGAAGGCGGTAGCGGCGATTG	
o	MS2	
o		
5'	TCAGGTATCTACagcgctGGAGGAGGTGGAAGCGGAGGAGGAGGAAGCGGAGGAGGAGGTAGCggaccta	
o	+++++	8890
3'	AGTCCATAGATGtgcgcaCCTCCTCCACCTTCGCCTCCTCCTCCTTCGCCTCCTCCTCCATCGcctggat	
o	MS2	
o		
5'	agaaaaagaggaaggtggcgggccgctcaattgCCTTCAGGGCAGATCAGCAACCAGGCCCTGGCTCTGGC	
o	+++++	8960
3'	tctttttctccttcaccgcccgcgagttaacGGAAGTCCCGTCTAGTCGTTGGTCCGGGACCGAGACCG	
o	P65	
o		
5'	CCCTAGCTCCGCTCCAGTGCTGGCCCAGACTATGGTGCCCTCTAGTGCTATGGTGCCTCTGGCCCAGCCA	
o	+++++	9030
3'	GGGATCGAGGCGAGGTCACGACCGGGTCTGATACCACGGGAGATCACGATACCACGGAGACCGGGTCCGT	
o	P65	
o		
5'	CCTGCTCCAGCCCCCTGTGCTGACCCCAGGACCACCCCAGTCACTGAGCGCTCCAGTGCCCAAGTCTACAC	
o	+++++	9100
3'	GGACGAGGTCGGGGACACGACTGGGGTCCTGGTGGGGTCAGTGA CTGCGAGGTCACGGGTT CAGATGTG	
o	P65	
o		
5'	AGGCCGGCGAGGGGACTCTGAGTGAAGCTCTGCTGCACCTGCAGTTCGACGCTGATGAGGACCTGGGAGC	
o	+++++	9170
3'	TCCGGCCGCTCCCCTGAGACTCACTTCGAGACGACGTGGACGTCAAGCTGCGACTACTCCTGGACCCTCG	
o	P65	
o		
5'	TCTGCTGGGGAACAGCACCGATCCCGGAGTGTTACAGATCTGGCCTCCGTGGACA ACTCTGAGTTTCAG	
o	+++++	9240
3'	AGACGACCCCTTGTCGTGGCTAGGGCCTACAAGTGTCTAGACCGGAGGCACCTGTTGAGACTCAAAGTC	
o	P65	
o		



5'	tcaaagtgtcctattggttCGTTTGTTGAAAACACAGTTCGATTTATTGACTATAATAAATTGATAGTTTT	
o	+++++	12040
3'	agtttcacaggataacaaGCAAACTTTTGTGTCAAGCTAAATAACTGATATTATTTAACTATCAAAA	
o	U6B promotor	
o		
5'	AAATATAGAGGCACGACTAAGAGAGTTTGGTTTTGTTTTGGTTAGGGACCAAAAAAGTATACATAACGA	
o	+++++	12110
3'	TTTATATCTCCGTGCTGATTCTCTCAAACCAAAACAAACCAATCCCTGGTTTTTTTCATATGTATTGCT	
o	U6B promotor	
o		
5'	ATAAAAAAGGATTTAAGTGCAAAATGGTAAAAAAGTGTCGAGTTTTTCTTGAGTTGATTGTGCTGTAATGA	
o	+++++	12180
3'	TATTTTTTCCCTAAATTCACGTTTACCATTTTTTTCACAGCTCAAAAAGAACTCAACTAACACGACATTACT	
o	U6B promotor	
o		
5'	GACTCTGCATTTCGGCATTTGACTCGGCTTTTCCTACTCGTGCCGTATTTTCAGGCTGCAAGTCGAACAAGC	
o	+++++	12250
3'	CTGAGACGTAAGCCGTAAACTGAGCCGAAAAGGATGAGCACGGCATAAAGTCCGACGTTTCAGCTTGTTTCG	
o	U6B promotor	
o		
5'	TaGcAGAGCTCTGGCCACGTAATAAGTGTCGTTGAATTTATTTCGCAAAAACATTGCATATTTTCGGCAA	
o	+++++	12320
3'	AtCgTCTCGAGACCGGTGCATTATTCACACGCAACTTAAATAAGCGTTTTTGTAACGTATAAAAGCCGTT	
o	gypsy	
o		
5'	AGTAAAAATTTTGTTGCATACCTTATCAAAAAATAAGTGCTGCATACTTTTTAGAGAAACCAAATAATTTT	
o	+++++	12390
3'	TCATTTTAAAACAACGTATGGAATAGTTTTTTATTTCACGACGTATGAAAAATCTCTTTGGTTTATTAAAA	
o	gypsy	
o		
5'	TTATTGCATACCCGTTTTTAATAAAATACATTGCATACCTCTTTTAATAAAAAATATTGCATACTTTGA	
o	+++++	12460
3'	AATAACGTATGGGCAAAAATTATTTTATGTAACGTATGGGAGAAAATTATTTTTTATAACGTATGAAACT	
o	gypsy	
o		
5'	CGAAACAAATTTTCGTTGCATACCCAATAAAAAGATTATTATATTGCATACCCGTTTTTAATAAAATACAT	
o	+++++	12530
3'	GCTTTGTTTAAAAGCAACGTATGGGTTATTTTCTAATAATATAACGTATGGGCAAAAATTATTTTATGTA	
o	gypsy	
o		
5'	TGCATACCTCTTTTAATAAAGAATATTGCATACGTTGACGAAACAAATTTTCGTTGCATACCCAATAAA	
o	+++++	12600
3'	ACGTATGGGAGAAAATTATTTCTTATAACGTATGCAACTGCTTTGTTTAAAAGCAACGTATGGGTTATTT	
o	gypsy	
o		
5'	AGATTATTATATTGCATACCTTTTCTTGCCATACCATTTAGCCGATCAATTCTGCTCGGCAACAGTATAT	
o	+++++	12670
3'	TCTAATAATATAACGTATGAAAAAGAACGGTATGGTAAATCGGCTAGTTAAGACGAGCCGTTGTCATATA	
o	gypsy	
o		

5'	TTGTGGTGTGCCAACCAACAACGAGCTCCAGCTTTTGTTCCTTTAGTGAGGGTTAATTTTCGAGCTTGGC	
o	+++++	12740
3'	AACACCACACGGTTGGTTGTTGCTCGAGGTCGAAAACAAGGGAATCACTCCCAATTAAAGCTCGAACCG	
o	gypsy	
o		
5'	GTAATCATGGTCATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAATTCCACACAACATACGAGCC	
o	+++++	12810
3'	CATTAGTACCAGTATCGACAAAGGACACACTTTAACAATAGGCGAGTGTTAAGGTGTGTTGTATGCTCGG	
o		
5'	GGAAGCATAAAGTGTAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCAC	
o	+++++	12880
3'	CCTTCGTATTTACATTTTCGACCCACGGATTACTCACTCGATTGAGTGTAATTAACGCAACGCGAGTG	
o		
5'	TGCCCCGCTTTCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGG	
o	+++++	12950
3'	ACGGGCGAAAGGTCAGCCCTTTGGACAGCACGGTCGACGTAATTACTTAGCCGGTTGCGCGCCCCTCTCC	
o		
5'	CGGTTTGCGTATTGGGCGCTCTTCCGCTTCCTCGCTCACTGACTCGCTGCGCTCGGTTCGTTTCGGCTGCGG	
o	+++++	13020
3'	GCCAAACGCATAACCCGCGAGAAGGCGAAGGAGCGAGTGACTGAGCGACGCGAGCCAGCAAGCCGACGCC	
o		
5'	CGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGA	
o	+++++	13090
3'	GCTCGCCATAGTCGAGTGAGTTTCCGCCATTATGCCAATAGGTGTCTTAGTCCCCTATTGCGTCCTTTCT	
o		
5'	ACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGAACCGTAAAAAGGCCGCGTTGCTGGCGTTTTTCCATAG	
o	+++++	13160
3'	TGTACACTCGTTTTTCCGGTCGTTTTCCGGTCCTTGGCATTTTTCCGGCGCAACGACCGCAAAAAGGTATC	
o		
5'	GCTCCGCCCCCTGACGAGCATCACAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTA	
o	+++++	13230
3'	CGAGGCGGGGGGACTGCTCGTAGTGTTTTTAGCTGCGAGTTCAGTCTCCACCGCTTTGGGCTGTCCTGAT	
o		
5'	TAAAGATACCAGGCGTTTTCCCCCTGGAAGCTCCCTCGTGCGCTCTCCTGTTCCGACCCTGCCGCTTACCG	
o	+++++	13300
3'	ATTTCTATGGTCCGCAAAGGGGGACCTTCGAGGGAGCACGCGAGAGGACAAGGCTGGGACGGCGAATGGC	
o		
5'	GATACCTGTCCGCCTTTCTCCCTTCGGGAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAG	
o	+++++	13370
3'	CTATGGACAGGCGGAAAGAGGGAAGCCCTTCGCACCGCGAAAGAGTATCGAGTGCGACATCCATAGAGTC	
o		
5'	TTCGGTGTAGGTCGTTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCCGTTTCAGCCCCGACCGCTGCGCC	
o	+++++	13440
3'	AAGCCACATCCAGCAAGCGAGGTTTCGACCCGACACACGTGCTTGGGGGGCAAGTCGGGCTGGCGACGCGG	
o		
5'	TTATCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTG	
o	+++++	13510
3'	AATAGGCCATTGATAGCAGAACTCAGGTTGGGCCATTCTGTGCTGAATAGCGGTGACCGTCGTCGGTGAC	
o		
5'	GTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGG	
o	+++++	13580
3'	CATTGTCCTAATCGTCTCGCTCCATACATCCGCCACGATGTCTCAAGAACTTACCACCGGATTGATGCC	
o		

