

```
          *   10   *   20   *   30   *   40   *   50   *   60   *   70   *   80   *   90   *  100
1  tagttattaatagtaaatcaattacggggtcattagttcatagcccataatataggagttocgcggttacataaactacggtaaatggccccgctggctgaccg 100
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
  CMV promoter

          *   110  *   120  *   130  *   140  *   150  *   160  *   170  *   180  *   190  *   200
101 cccaacgaccccccgccattgacgtcaataatgacgtatggtcccatagtaaacgccaatagggaactttocattgacgtcaatgggtggagatttaccggt 200
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
  CMV promoter

          *   210  *   220  *   230  *   240  *   250  *   260  *   270  *   280  *   290  *   300
201 aaatgcccaacttggcagttacatcaagtgtatcatatgccaagtaacgcccctattgacgtcaatgacggtaaatggccccgctggcattatgccagta 300
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
  CMV promoter

          *   310  *   320  *   330  *   340  *   350  *   360  *   370  *   380  *   390  *   400
301 catgacctatgggactttcctacttggcagttacatctacgtattagtcacgctattaccatgggtgatcggttttggcagttacatcaatggcggtga 400
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
  CMV promoter

          *   410  *   420  *   430  *   440  *   450  *   460  *   470  *   480  *   490  *   500
401 tagcggttttagctcacggggtattccaagtctccaccctttagctcaatgggagttttgttggcaccacaaatcaacgggactttccaaaatgtcgta 500
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
  CMV promoter

          *   510  *   520  *   530  *   540  *   550  *   560  *   570  *   580  *   590  *   600
501 acaactcgccccattgacgcaaatggcggtaggcgtgtacggtgggaggtctatatagcagagctgggttagtgaacctcagatccgctagcgta 600
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
  CMV promoter

          *   610  *   620  *   630  *   640  *   650  *   660  *   670  *   680  *   690  *   700
601 ccggactcagatctgccaccatgGAACATGTCGCCTTCGGCAGCGAGGATATCGAGAACACTCTGGCTAAGATGGATGACGGGCAACTGGACGGCTTGGC 700
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
   tdFAST

          *   710  *   720  *   730  *   740  *   750  *   760  *   770  *   780  *   790  *   800
701 ATTCGGGGCCATTCAACTGGACGGGACGGTAATATTCPCAGTACAATGCAGCTGAAGGTGACATAAAGTGGACGTGATCCCTAAACAAGTATGGCAAG 800
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
   tdFAST

          *   810  *   820  *   830  *   840  *   850  *   860  *   870  *   880  *   890  *   900
801 AATTCTTCAAAGATGTTGCTCCCAGGACCGATTACCTGAGTTTACGGGAAGTTCAAAGAGGGCGTTGCTCCGGCAACCTCAACTATGTTTGAAT 900
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
   tdFAST

          *   910  *   920  *   930  *   940  *   950  *   960  *   970  *   980  *   990  *  1000
901 GGATGATACCGACAAGCAGAGGCCAACCAAGGTAAGTTTCATATGAAGAAAGCTCTGTCTGGAGACTCTTATTGGGTGTTTGTGAAGAGAGTCCGGCGG 1000
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
   tdFAST

          *  1010  *  1020  *  1030  *  1040  *  1050  *  1060  *  1070  *  1080  *  1090  *  1100
1001 CGGCTCCGGAGGAGGAGACAACCGTTGCCTTTGGCTCTGAGGATATCGAAAATACGCTGGCCAAAATGGATGACGGTCAGCTGGATGGCCTGGCATTCCGA 1100
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
   tdFAST

          *  1110  *  1120  *  1130  *  1140  *  1150  *  1160  *  1170  *  1180  *  1190  *  1200
1101 GCCATACAGCTTGACGGCGATGGAACAATCCTCCAGTACAACGCCCGGAGGGTGACATTACCGGTGCGCATCCAAAACAGGTTATGGCAAGAATCTCT 1200
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
   tdFAST

          *  1210  *  1220  *  1230  *  1240  *  1250  *  1260  *  1270  *  1280  *  1290  *  1300
1201 TTAAGGACGTTGACCCGGGACTGACTCTCCCAGAAATTTACGGAAAGTTCAAGGAAGGGTGGCATCTGGCAATCTTAATACAATGTTTGAATGGATGAT 1300
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
   tdFAST

          *  1310  *  1320  *  1330  *  1340  *  1350  *  1360  *  1370  *  1380  *  1390  *  1400
1301 TCCTACTAGTAGAGGACCAACAAGGTGAAGGTGCACATGAAGAAAGCCTTGTCCGGCGACTCCTACTGGGTcTTTGTGAAACGGGTGGGATCCGAACAA 1400
   >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
   tdFAST
   C-Myc

          *  1410  *  1420  *  1430  *  1440  *  1450  *  1460  *  1470  *  1480  *  1490  *  1500

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1401 AAGCTTATTCTGAAGAGGACTTGtaaataagCGGCCGCGactctagatcataatcagccataccacattttagaggttttacttgctttaaaaacct 1500
C-Myc
1510 1520 1530 1540 1550 1560 1570 1580 1590 1600
1501 cccacacctcccctgaacctgaaacataaaatgaatgcaattgttggttaacttgtttattgcagcttataatggttacaaataaagcaatagcatc 1600
SV40 polyA
1610 1620 1630 1640 1650 1660 1670 1680 1690 1700
1601 acaaatccacaaataaagcattttttcactgcattctagttgtgggttgcctcaactcatcaatgtatcttaaggcgtaaattgtaagcgtaaatatt 1700
SV40 polyA
1710 1720 1730 1740 1750 1760 1770 1780 1790 1800
1701 ttgttaaaatccgctgtaaattttggtaaatcagctcatttttaaccataggccgaaactgcgcaaaatcccttataaatcaaaagaatagaccgaga 1800
1810 1820 1830 1840 1850 1860 1870 1880 1890 1900
1801 taggtgtgagtggtgtccagtttggaacaagagtcactattaaagaactggactccaacgctcaaaggcgcaaaaaccgtctatcagggcgatggccc 1900
1910 1920 1930 1940 1950 1960 1970 1980 1990 2000
1901 actacgtgaaccatcacctaatacaagtttttgggtgcaggtgccgtaaaagcactaaatcggaaccctaaggggagccccgatttagagcttgacgg 2000
2010 2020 2030 2040 2050 2060 2070 2080 2090 2100
2001 ggaaagccgagcaactggtggcgagaaggaaggaagaaagcgaagggagcggcgctaggcgctggcaagtgtacggtcacgctgagcgtgcccacca 2100
2110 2120 2130 2140 2150 2160 2170 2180 2190 2200
2101 caccgcgcgcttaaatgcgcgctacagggcgctcaggtggcacttttcggggaaatgtgcgcaaacccctattgtttattttctaaatacattc 2200
2210 2220 2230 2240 2250 2260 2270 2280 2290 2300
2201 aaatatgtatccgctcatgagacaataacacctgataaagtctcaataattgaaaaggaagagctcctgaggcgaagaaccagctgtggaatgtgt 2300
2310 2320 2330 2340 2350 2360 2370 2380 2390 2400
2301 gtcagttagggtgtgaaagtcccaggctcccagcagcagcagaagtatgcaaaagcagcgcattcaattagtcagcaaccaggtgtgaaagtcccagg 2400
2410 2420 2430 2440 2450 2460 2470 2480 2490 2500
2401 ctccccagcagcagaagtatgcaaaagcagcgcattcaattagtcagcaaccatagtcoccccccactcggccctcccccccctaactcggcccagt 2500
2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
2501 tccgccatctcggcccattggctgactaattttttttattatgagagggccgagccgcctcggcctctgagctattccagaagtgtgaggaggct 2600
2610 2620 2630 2640 2650 2660 2670 2680 2690 2700
2601 ttttgaggcctaggcttttgcaaaagatcgatcaagacagcaggtgatgattggatgaaacaagatggattgcacgaggttctccggcgc
kan r / Neo r
2710 2720 2730 2740 2750 2760 2770 2780 2790 2800
2701 cttgggtggagaggctattccgctatgactgggcacaacagacaatcggtgctctgatgcccgctgttcggctgtcagcgaggggcggccggttct 2800
kan r / Neo r
2810 2820 2830 2840 2850 2860 2870 2880 2890 2900
2801 ttttgtaagaccgacctgtccggtgccctgaatgcaactgcaagacgagcagcggctatcgtggctggccagcagggcgctccttgccagctgtg 2900
kan r / Neo r
2910 2920 2930 2940 2950 2960 2970 2980 2990 3000
2901 ctgacgttgcactgaagcgggaaggactggctgctattggcgaagtgccggggcaggatctcctgtcattcaccttgctcctgcccagaaaagtat 3000
kan r / Neo r
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100
3001 ccactatggctgatgcaatgcggcggtgcatacgcttgatccggctacctgcccattcgaccaccaagcgaacaatcgcatcgagcgagcacgactctg 3100
kan r / Neo r
3110 3120 3130 3140 3150 3160 3170 3180 3190 3200
3101 gatggaagccggtcttgctgatcaggatgatctggacgaagacatcagggctcgcgccaagcgaactgttcgagcgctcaagcgagcagtcgccgac 3200
kan r / Neo r
3210 3220 3230 3240 3250 3260 3270 3280 3290 3300

* * * * *
3201 ggcgagatctcgtcgtgacccatggcgcgatgcttgcgcgaatatcatggtgaaaatggccgcttttctggattcatcgcactgtggccggtgggtg 3300
kan r / Neo r
* * * * *
3301 tggcggaccgctatcaggacatagcgttgctaccgctgatattgtgaaagagcttggcggcgaatgggctgaccgcttctcgtgctttacggtatcgc 3400
kan r / Neo r
* * * * *
3401 cgctcccattcgcagcgcacatcgcttctatcgcttcttgacgagttcttctgagcgggactctggggttcgaaatgaccgaccaagcgcagcccaacc 3500
kan r / Neo r
* * * * *
3501 tgccatcacgagatttcgattccaccgcccgccttctatgaaaggttgggcttcggaatcgttttccgggacgccggctggatgatcctccagcggggga 3600
* * * * *
3601 tctcagctgagtttcttcgcccacccctaggggaggctaactgaaacacggaaggagacaataccggaaggaaccgcgctatgacgcaataaaaaga 3700
* * * * *
3701 cagaataaaacgcacgggtgttgggctgtttgtcataaacgcggggttcggctcccagggctggcactctgtcgatccccaccgagaccccattggggcc 3800
* * * * *
3801 aatacggccgcgttttctcttttccccaccaccacccccaaagtctgggtgaaggcccagggtcgcagccaacgctcggggcggcaggcctgccatagc 3900
* * * * *
3901 ctcaggttactcataatatacttttagattgatttaaaacttcaattttaaaaggatctaggtgaagatcctttttgataatctcatgaccaaaatc 4000
* * * * *
4001 ccttaacgtgagtttctgttccactgagcgtcagaccccgtagaaaagatcaaaaggatcttcttgagatccttttttctgcgctaactctgctgcttgc 4100
* * * * *
4101 aaacaaaaaaccaccgctaccagcgggtgttgggttgcggatcaagagctaccaactcttttccgaaggtaactggcttcagcagagcgcagatacc 4200
* * * * *
4201 aaatactgtccttctagtgtagccgttagttagccaccacttcaagaactctgtagcaccgcctacatacctcgtctgctaactcctgttaccagtggct 4300
* * * * *
4301 gctgccagtgccgataagtcgtgttaccgggttgactcaagacgatagttaccggataaggcgcagcggctcgggtgaacgggggttctgtgcacac 4400
* * * * *
4401 agcccagcttggagcgaacgacctacccgaactgagatacctacagcgtgagctatgagaaagccacgcttcccagaggagaaaggcggacaggta 4500
* * * * *
4501 tccggtaagcggcagggctcggaacaggagagcgcacgagggagcctccaggggaaacgcctggatctttatagtcctgctcgggtttcggccacctctga 4600
* * * * *
4601 cttgagcgtcagttttgtgatgctcgtcagggggcggagcctatggaaaaacgcagcaacgcggcctttttacggttcctggccttttctgtggcctt 4700
* * * * *
4701 ttgctcacatgttctttcctgcttaccctgattctgtggataaccgattaccgcatgcat 4765