

1401 ACAACTGTTTCTGCCCTGACCTGAAGAGTGTTCGCTCCAAGGTCGGCTCTACAGAAAACATCAAACACCAGCCTGGAGGAGGCCGGGCAAGGTAGAGA 1500
MAP4
* * * * *
1510 1520 1530 1540 1550 1560 1570 1580 1590 1600
1501 AAAAAACAGAGGCAGCTACCACAGCTGGGAAGCCTGAACCTAATGCAGTCACTAAAGCAGCCGGCTCCATTGCGAGTGCACAGAAACCGCCTGCTGGGAA 1600
MAP4
* * * * *
1610 1620 1630 1640 1650 1660 1670 1680 1690 1700
1601 AGTCCAGATAGTATCCAAAAAGTGAAGTACAGTCAATCAATCCAAGTGTGTTTCCAAGGACAATATTAAGCATGTCCCTGGATGTGGCAATGTTTCAG 1700
MAP4
* * * * *
1710 1720 1730 1740 1750 1760 1770 1780 1790 1800
1701 ATTCAGAACAAGAAAGTGGACATATCCAAGTCTCCTCCAAGTGTGGGTCCTCAAGTAAATATCAAGCACAAGCCTGGTGGAGGAGATGCAAGATTGAAA 1800
MAP4
* * * * *
1810 1820 1830 1840 1850 1860 1870 1880 1890 1900
1801 GTCAGAAGTTGAACCTCAAGGAGAAGGCCAAGCCAAAGTGGGAGGCGGATTCGCGGATCCACCGGTCGCCACCATGAGTGTGATTAACCAGACATGGA 1900
MAP4 greenFAST
* * * * *
1910 1920 1930 1940 1950 1960 1970 1980 1990 2000
1901 GCATGTTGCCCTTGGCAGTGAAGGACATCGAGAACACTCTGGCCAAAATGGACGACGAACAACACTGGATGGGTTGGCCTTGGCGCAATTCAGCTCGATGGT 2000
greenFAST
* * * * *
2010 2020 2030 2040 2050 2060 2070 2080 2090 2100
2001 GACGGGAATATCCTGCGATACATGCTGTGAAGGAGACATCACAGGCAGAGATCCCAACAGGTTGATGGGAAGAATCTTCAAGGATGTGCAACTG 2100
greenFAST
* * * * *
2110 2120 2130 2140 2150 2160 2170 2180 2190 2200
2101 GAACGGATCTCCCGAGTTCACCGCAAATCAAGGAAGGCGTAGCGTCAGGGAATCTGAACACCATGTTGAAATGATACCGGACAGCAGGGGACC 2200
greenFAST
* * * * *
2210 2220 2230 2240 2250 2260 2270 2280 2290 2300
2201 AACCAAGTCAAGGTGCACATGAAGAAAGCCCTTTCGGTGACAGCTATTGGGTCCTTGTGAAACGGGTGGGATCCGAACAAGGCTTATTTCTGAAGAG 2300
greenFAST C-Myc
* * * * *
2310 2320 2330 2340 2350 2360 2370 2380 2390 2400
2301 GACTTGTAATAGGCGCCGCGactctagatcataatcagccataccacattttagaggttttacttgctttaaaaaacctccacacctccccctgaac 2400
C-Myc
* * * * *
2410 2420 2430 2440 2450 2460 2470 2480 2490 2500
2401 ctgaacataaaatgaatgcaattgtgtgttaactgtttattgagcgttataatggttacaaataaagcaatagcatcacaatttcacaataaag 2500
SV40 polyA
* * * * *
2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
2501 catttttttcaactgcattctagttgtggtttgtccaaactcatcaatgtatcttaaggcgtaaattgtaagcgtaaatatttgttaaaattcgcgtaa 2600
SV40 polyA
* * * * *
2610 2620 2630 2640 2650 2660 2670 2680 2690 2700
2601 atttttgttaaatcagctcattttttaaccaatagccgaaatcggcaaaatcccttataaatcaaaagaatagaccgagatagggttgagtgtgttcc 2700
* * * * *
2710 2720 2730 2740 2750 2760 2770 2780 2790 2800
2701 agtttggaacaagagtcactatataaagaacgtgactcaacgtcaaaaggcgaaacacgtctatcaggcgatggcccactacgtgaaccatcacc 2800
* * * * *
2810 2820 2830 2840 2850 2860 2870 2880 2890 2900
2801 taatcaagttttttgggtcgaggtcgcgtaaagcactaaatcggaacctaaaggagccccgatttagagcttgaoggggaaagccggcgaacgtgg 2900
* * * * *
2910 2920 2930 2940 2950 2960 2970 2980 2990 3000
2901 cgagaaaggaaggaagaagcgaaaggagcggcgctagggcgctggcaagtgtagcggtcacgctgcgcgtaaccaccacaccggcgcttaaatgc 3000
* * * * *
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100
3001 gccgctacagggcgctcaggtggcacttttcgggaaatgtgocggaacccctatttgttttttctaaatacattcaaatatgtatccgctcatg 3100

4801 ctttagattgatttaaaacttcatttttaatttaaaggatctagtggaagatcctttttgataatctcatgaccaaatacccttaacgtgagttttcgt 4900
* 4910 * 4920 * 4930 * 4940 * 4950 * 4960 * 4970 * 4980 * 4990 * 5000 *
4901 tccactgagcgtcagaccccgtagaaaagatcaaaggatccttcttgagatccttttttctgcgcgtaatctgctgcttgcacacaaaaaacaccgct 5000
* 5010 * 5020 * 5030 * 5040 * 5050 * 5060 * 5070 * 5080 * 5090 * 5100 *
5001 accagcgggtggtttgtttgcccgatcaagagctaccaactccttttccgaaggttaactggcttcagcagagcgcagataccaataactgtccttctagt 5100
* 5110 * 5120 * 5130 * 5140 * 5150 * 5160 * 5170 * 5180 * 5190 * 5200 *
5101 tagccgtagttaggccaccacttcaagaactctgtagcaccgcctacatacctcgctctgctaactcctggtaccagtggtgctgccagtgccgataagt 5200
* 5210 * 5220 * 5230 * 5240 * 5250 * 5260 * 5270 * 5280 * 5290 * 5300 *
5201 cgtgtcttaccgggttgactcaagacgatagttaccggataaggcgcagcggctcgggctgaacggggggttcgtgcacacagccagcttggagcgaac 5300
* 5310 * 5320 * 5330 * 5340 * 5350 * 5360 * 5370 * 5380 * 5390 * 5400 *
5301 gacctacaccgaactgagatacctacagcgtgagctatgagaaagcgcacgcttcccgaaggagaaaggcggacaggtatccggttaagcggcagggtc 5400
* 5410 * 5420 * 5430 * 5440 * 5450 * 5460 * 5470 * 5480 * 5490 * 5500 *
5401 ggaacaggagagcgcacgaggagcttccaggggaaacgcctggtatcctttatagtcctgctcgggtttccacactctgacttgagcgtcgattttgt 5500
* 5510 * 5520 * 5530 * 5540 * 5550 * 5560 * 5570 * 5580 * 5590 * 5600 *
5501 gatgctcgtcagggggcggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttctttcc 5600
* 5610 * 5620 * 5630 * 5640 *
5601 tgcgttatcccctgattctgtggataaccgtattaccgccatgcat 5646