

1401 ACAACTGTTTCTGCCCTGACCTGAAGAGTGTTCGCTCCAAGGTCGGCTCTACAGAAAACATCAAACACCAGCCTGGAGGAGGCCGGGCAAGGTAGAGA 1500
MAP4
* * * * *
1510 1520 1530 1540 1550 1560 1570 1580 1590 1600
1501 AAAAAACAGAGGCAGCTACCACAGCTGGGAAGCCTGAACCTAATGCAGTCACTAAAGCAGCCGGCTCCATTGCGAGTGCACAGAAACCCCTGCTGGGAA 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 ATTCAGAACAAGAAAGTGGACATATCCAAGTCTCCTCCAAGTGTGGGTCCAAGCTAAATATCAAGCACAAGCCCTGGTGGAGGAGATGCAAGATTGAAA 1800
MAP4
* * * * *
1810 1820 1830 1840 1850 1860 1870 1880 1890 1900
1801 GTCAGAAGTGAACCTCAAGGAGAAGGCCCAAGCCAAAGTGGGAGGCGGATTCGCGGATCCACCGGTGCCACCATGAGTGTGATTAACCAGACATGGA 1900
MAP4 iFAST
* * * * *
1910 1920 1930 1940 1950 1960 1970 1980 1990 2000
1901 GCATGTTGCCTTGGCAGTGGAGACATCAGAACACTCTGGCCAAATGGACGACGACAACCTGGATGGGTTGGCCTTTGGCGCAATTCAGCTCGATGGT 2000
iFAST
* * * * *
2010 2020 2030 2040 2050 2060 2070 2080 2090 2100
2001 GACGGGAATATCCTGCAGTACATGCTGCTGAAGGAGACATCAGGCAGAGATCCCAAACAGGTGATTGGGAAGAACTTCTCAAGGATGTTGCACCTG 2100
iFAST
* * * * *
2110 2120 2130 2140 2150 2160 2170 2180 2190 2200
2101 GAACGGATTCTCCCGAGTTTACGGCAAATCAAGGAAGGCGTAGCGTCAGGGAATCTGAACACCATGTCGAATGGATGATACCGACAAGCAGGGGACC 2200
iFAST
* * * * *
2210 2220 2230 2240 2250 2260 2270 2280 2290 2300
2201 AACCAAGTCAAGAtaCACATGAAGAAAGCCCTTCCGGTGACAGCTATTGGGTCTTGTGAAACGGGTGGGATCCGAACAAAAGCTTATTTCTGAAGAG 2300
iFAST C-Myc
* * * * *
2310 2320 2330 2340 2350 2360 2370 2380 2390 2400
2301 GACTTGTAATAGcccgggTAAGCGCCGgactctagatcataatcagccataccacattttagaggttttacttgctttaaaaaacctcccacacctc 2400
C-Myc
* * * * *
2410 2420 2430 2440 2450 2460 2470 2480 2490 2500
2401 cccctgaacctgaaacataaaaatgaatgcaattgttgttgaactgtttattgacgcttataatggttacaaataagcaatgacatcacaaatttca 2500
SV40 polyA
* * * * *
2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
2501 caaataaagcattttttcactgctattctagttgtggtttgtccaaactcatcaatgtatcttaaggcgtaattgtaagcgtaaatattttgttaaat 2600
SV40 polyA
* * * * *
2610 2620 2630 2640 2650 2660 2670 2680 2690 2700
2601 tcgcgtaaattttttgttaaatcagctcatttttaaccaatagggcgaatcgcaaaatcccttataaatcaaaagaatagaccgagataggggtgag 2700
* * * * *
2710 2720 2730 2740 2750 2760 2770 2780 2790 2800
2701 tgttgttccagtttggacaagagtcactattaaagaacgtggactccaacgtcaaaaggcgcaaaaaccgtctatcagggcgatggcccactacgtgaa 2800
* * * * *
2810 2820 2830 2840 2850 2860 2870 2880 2890 2900
2801 ccatcaccctaatcaagtttttggggtcgaggtgcccgtaaagcactaaatcggaaccctaaaggagccccgatttagagcttgacggggaaagccgg 2900
* * * * *
2910 2920 2930 2940 2950 2960 2970 2980 2990 3000
2901 cgaacgtggcgagaaggaaggaagaaagcgaagagcgggcgctagggcgctggcaagtgtagcggtcacgctgcgctgaaccaccacacccgcccgc 3000
* * * * *
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100
3001 gcttaatgcgcccgtacagggcgctcaggtggcacttttcggggaatgtgcgccaaccctatttgtttatttttctaatacatcacaatgtat 3100

3110 3120 3130 3140 3150 3160 3170 3180 3190 3200
* * * * *
3101 ccgctcatgagacaataaccctgataaatgcttcaataatattgaaaaaggaagagtctctgaggcggaagaaccagctgtggaatgtgtgtcagttagg 3200
3210 3220 3230 3240 3250 3260 3270 3280 3290 3300
* * * * *
3201 gtgtggaaggtcccaggctcccagcagggcagaagtatgcaaagcatgcatctcaattagtcagcaaccaggtgtggaaggtcccaggctcccagca 3300
3310 3320 3330 3340 3350 3360 3370 3380 3390 3400
* * * * *
3301 ggcagaagtatgcaaagcatgcatctcaattagtcagcaaccatagtcgcccttaactccgccatcccgcccttaactccgccaggttccgccatt 3400
3410 3420 3430 3440 3450 3460 3470 3480 3490 3500
* * * * *
3401 ctccgccccatggctgactaatttttttatttatgcagaggccgagggccgctcggtctgagctattccagaagtagtgaggaggctttttggagg 3500
3510 3520 3530 3540 3550 3560 3570 3580 3590 3600
* * * * *
3501 cctaggcttttgaagatgatcaagagacaggatgaggatcggttccgatgattgaacaagatggattgcacaggttctccggccgcttgggtgga 3600
kan r / Neo r
3610 3620 3630 3640 3650 3660 3670 3680 3690 3700
* * * * *
3601 gaggtattcggctatgactgggcacaacagacaatcggtgctctgatgccgctgttccggtgtcagcgcagggggcggctttttgtcaag 3700
kan r / Neo r
3710 3720 3730 3740 3750 3760 3770 3780 3790 3800
* * * * *
3701 accgacctgtccggtgcctgaatgaactgcaagacgagcagcggctatcgtggctggccacgagggcggttctctgcgcagctgtgctcgagcttg 3800
kan r / Neo r
3810 3820 3830 3840 3850 3860 3870 3880 3890 3900
* * * * *
3801 tcaactgaagcgggaaggatggtgctattggcgaagtgccgggagagatctcctgtcatctcaccttctcctgccgagaagtatccatcatggc 3900
kan r / Neo r
3910 3920 3930 3940 3950 3960 3970 3980 3990 4000
* * * * *
3901 tgatgcaatgcccggctgcatacgttgatccggctacctgccattcgaaccaagcgaacatcgcatcgagcgagcagctactcggatggaagcc 4000
kan r / Neo r
4010 4020 4030 4040 4050 4060 4070 4080 4090 4100
* * * * *
4001 ggtcttctgatcaggtatgctggacgaagagcaggggctcggccagccgaactgttcgccagggctcaaggcagcagcagcggcggcagggatc 4100
kan r / Neo r
4110 4120 4130 4140 4150 4160 4170 4180 4190 4200
* * * * *
4101 tcgtcgtgaccatggcgatgctgcttgcgaatcatggtggaatggccgctttctggattcatcgactgtggccggtgggtgtggcgaccg 4200
kan r / Neo r
4210 4220 4230 4240 4250 4260 4270 4280 4290 4300
* * * * *
4201 ctatcaggacatagcgttggctaccggtgatattgctgaagagcttgccggcgaatggctgaccgcttccctgctgtttacggttatccgctccgat 4300
kan r / Neo r
4310 4320 4330 4340 4350 4360 4370 4380 4390 4400
* * * * *
4301 tcgcagcgcacgcttctatcgcttcttgacgagttcttctgagcgggactctggggttcgaatgaccgaccaagcgagcccaactgccatcacg 4400
kan r / Neo r
4410 4420 4430 4440 4450 4460 4470 4480 4490 4500
* * * * *
4401 agatttcgatccaccgccccttctatgaaaggttggcttcggaatcgttttccggagcggcggctggatgatcctccagcggggatctcatgctg 4500
4510 4520 4530 4540 4550 4560 4570 4580 4590 4600
* * * * *
4501 gagtctctcggccaccctagggggaggttaactgaaacacggaaggagacaataaccggaaggaaccgctatgacggcaataaaaagacagaataaaa 4600
4610 4620 4630 4640 4650 4660 4670 4680 4690 4700
* * * * *
4601 cgcacggtgttgggtcgtttttcataaacgcccgggttcggctccagggtggcactctgtcgataccccaccgagacccccattggggccaatacgcccg 4700
4710 4720 4730 4740 4750 4760 4770 4780 4790 4800
* * * * *
4701 cgtttcttctttccccaccccccaagttccgggtgaagcccagggtcgcagccaactcggggggcagccctgccatagcctcaggttac 4800
4810 4820 4830 4840 4850 4860 4870 4880 4890 4900
* * * * *

4801 tcatataacttttagattgattttaaacttcatttttaattttaaaggatctaggtgaagatcctttttgataatctcatgacccaaaatcccttaactg 4900
* 4910 * 4920 * 4930 * 4940 * 4950 * 4960 * 4970 * 4980 * 4990 * 5000 *
4901 agttttcgttccactgagcgtcagaccccgtagaaaagatcaaggatcttcttgagatccttttttctgcgcgtaatctgctgcttgcacaacaaaaa 5000
* 5010 * 5020 * 5030 * 5040 * 5050 * 5060 * 5070 * 5080 * 5090 * 5100 *
5001 accaccgctaccagcgggtggtttgtttgccggatcaagagctaccaactctttttccgaaggttaactggcttcagcagagcgcagataccaaaactgctc 5100
* 5110 * 5120 * 5130 * 5140 * 5150 * 5160 * 5170 * 5180 * 5190 * 5200 *
5101 cttctagtgtagccgtagttaggccaccacttcaagaactctgtagcaccgcctacatacctcgtctgctaatcctgttaccagtggctgctgccagt 5200
* 5210 * 5220 * 5230 * 5240 * 5250 * 5260 * 5270 * 5280 * 5290 * 5300 *
5201 gcgataagtcgtgtcttaccgggttgactcaagacgatagttaccggataaggcgcagcggctgggctgaacgggggttcgtgcacacagcccagctt 5300
* 5310 * 5320 * 5330 * 5340 * 5350 * 5360 * 5370 * 5380 * 5390 * 5400 *
5301 ggagcgaacgacctacaccgaactgagatacctacagcgtgagctatgagaaagcgcaccgcttcccgaaggagaaaggcggacaggtatccggtaagc 5400
* 5410 * 5420 * 5430 * 5440 * 5450 * 5460 * 5470 * 5480 * 5490 * 5500 *
5401 ggcagggtcggaacaggagagcgcacgagggagcttccaggggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgactgagcgtc 5500
* 5510 * 5520 * 5530 * 5540 * 5550 * 5560 * 5570 * 5580 * 5590 * 5600 *
5501 gatttttgtgatgctcgtcagggggcggagcctatggaaaaacgccagcaacgcggcctttttacgggttctctggccttttctgctgaccttttctcaca 5600
* 5610 * 5620 * 5630 * 5640 * 5650 *
5601 gttctttctcgttatcccctgattctgtggataaccgtattaccgccatgcat 5655