

| Enzyme Name | Sequence | Count | Cutting Position | | | | |
|-------------|-------------|-------|------------------|------|------|------|------|
| AatI | AGG!CCT | 1 | 2577 | | | | |
| AatII | GACGT!C | 4 | 126 | 179 | 262 | 448 | |
| Acc65I | G!GTACC | 1 | 1376 | | | | |
| AccI | GT!MKAC | 2 | 1065 | 1371 | | | |
| AccII | CG!CG | 19 | 61 | 705 | 942 | 1260 | 1382 |
| | | | 1644 | 1680 | 2056 | 2076 | 2100 |
| | | | 2131 | 2822 | 3123 | 3561 | 3645 |
| | | | 3708 | 3777 | 4050 | 4631 | |
| AccIII | T!CCGGA | 1 | 1331 | | | | |
| AciI | G!CGG | 28 | 371 | 404 | 529 | 705 | 942 |
| | | | 1134 | 1137 | 1382 | 2016 | 2043 |
| | | | 2131 | 2241 | 2822 | 2886 | 2987 |
| | | | 2990 | 3270 | 3325 | 3423 | 3561 |
| | | | 3708 | 3848 | 4091 | 4336 | 4457 |
| | | | 4476 | 4603 | 4631 | | |
| AciI | C!CGC | 39 | 59 | 87 | 99 | 113 | 280 |
| | | | 508 | 590 | 832 | 940 | 979 |
| | | | 1117 | 1246 | 1258 | 1327 | 1380 |
| | | | 2071 | 2074 | 2088 | 2178 | 2426 |
| | | | 2438 | 2447 | 2459 | 2469 | 2480 |
| | | | 2526 | 2665 | 2728 | 3230 | 3275 |
| | | | 3341 | 3367 | 3492 | 3495 | 3643 |
| | | | 3775 | 4082 | 4226 | 4722 | |
| AcyI | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 723 |
| | | | 2756 | 3458 | 3537 | | |
| AfaI | GT!AC | 12 | 220 | 245 | 300 | 333 | 384 |
| | | | 541 | 819 | 932 | 1043 | 1325 |
| | | | 1378 | 3062 | | | |
| AflI | G!GWCC | 3 | 1243 | 3272 | 3717 | | |
| AflII | C!TTAAG | 0 | | | | | |
| AflIII | A!CRYGT | 2 | 1642 | 4674 | | | |
| AgeI | A!CCGGT | 1 | 601 | | | | |
| AhaI | CC!SGG | 6 | 1388 | 1389 | 2760 | 2920 | 3533 |
| | | | 4297 | | | | |
| AhaII | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 723 |
| | | | 2756 | 3458 | 3537 | | |
| AhaIII | TTT!AAA | 3 | 1458 | 3900 | 3919 | | |
| AluI | AG!CT | 24 | 567 | 634 | 667 | 739 | 772 |
| | | | 988 | 1036 | 1047 | 1147 | 1221 |
| | | | 1321 | 1349 | 1355 | 1535 | 1702 |
| | | | 1959 | 2254 | 2542 | 2862 | 3320 |
| | | | 4117 | 4374 | 4420 | 4510 | |
| Alw44I | G!TGCAC | 2 | 680 | 4360 | | | |
| AlwI | GGATCNNNN! | 9 | 1399 | 1408 | 2624 | 2935 | 3181 |
| | | | 3573 | 3932 | 4030 | 4116 | |
| AlwI | !NNNNNGATCC | 7 | 581 | 1192 | 1386 | 3000 | 3544 |
| | | | 3931 | 4028 | | | |
| AlwNI | CAGNNN!CTG | 3 | 1293 | 3857 | 4265 | | |
| AocI | CC!TNAGG | 2 | 2236 | 3868 | | | |
| AocII | GDGCH!C | 15 | 654 | 684 | 783 | 1176 | 1275 |
| | | | 1351 | 1388 | 1947 | 2702 | 2795 |
| | | | 2869 | 3059 | 3121 | 3831 | 4364 |
| Aor51HI | AGC!GCT | 1 | 597 | | | | |
| AosI | TGC!GCA | 1 | 2858 | | | | |
| AosII | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 723 |
| | | | 2756 | 3458 | 3537 | | |

| | | | | | | | | |
|------------|--------------------|----|------|------|------|------|------|--|
| ApaI | GGGCC!C | 1 | 1388 | | | | | |
| ApaLI | G!TGCAC | 2 | 680 | 4360 | | | | |
| ApoI | R!AATTY | 4 | 1360 | 1570 | 1674 | 1685 | | |
| ApyI | CC!WGG | 19 | 91 | 284 | 784 | 794 | 896 | |
| | | | 971 | 1025 | 1097 | 1178 | 1277 | |
| | | | 2292 | 2347 | 2364 | 3143 | 3722 | |
| | | | 3825 | 4515 | 4528 | 4649 | | |
| AquI | C!YCGRG | 3 | 881 | 1344 | 1387 | | | |
| AscI | GG!CGCGCC | 0 | | | | | | |
| AseI | AT!TAAT | 1 | 8 | | | | | |
| AsnI | AT!TAAT | 1 | 8 | | | | | |
| Asp700I | GAANN!NNTTC | 1 | 860 | | | | | |
| Asp718I | G!GTACC | 1 | 1376 | | | | | |
| AspHI | GWGCW!C | 6 | 684 | 1275 | 1351 | 2869 | 3059 | |
| | | | 4364 | | | | | |
| AspI | GACN!NNGTC | 1 | 2874 | | | | | |
| AsuI | G!GNCC | 15 | 84 | 277 | 786 | 1027 | 1187 | |
| | | | 1243 | 1255 | 1384 | 1385 | 1863 | |
| | | | 3272 | 3717 | 3763 | 3821 | 3854 | |
| AsuII | TT!CGAA | 2 | 1358 | 3438 | | | | |
| AvaI | C!YCGRG | 3 | 881 | 1344 | 1387 | | | |
| AvaII | G!GWCC | 3 | 1243 | 3272 | 3717 | | | |
| AvaIII | ATGCA!T | 3 | 2328 | 2400 | 4731 | | | |
| AviII | TGC!GCA | 1 | 2858 | | | | | |
| AvrI | !CYCGRG | 3 | 880 | 1343 | 1386 | | | |
| AvrII | C!CTAGG | 2 | 2578 | 3593 | | | | |
| AxyI | CC!TNAGG | 2 | 2236 | 3868 | | | | |
| BalI | TGG!CCA | 1 | 2838 | | | | | |
| BamHI | G!GATCC | 1 | 1391 | | | | | |
| BanI | G!GYRCC | 5 | 466 | 1376 | 1909 | 2755 | 2790 | |
| BanII | GRGCY!C | 5 | 1351 | 1388 | 1947 | 3121 | 3831 | |
| BanIII | AT!CGAT | 1 | 2596 | | | | | |
| BbeI | GGCGC!C | 1 | 2759 | | | | | |
| BbiII/AcyI | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 723 | |
| | | | 2756 | 3458 | 3537 | | | |
| BbrPI | CAC!GTG | 0 | | | | | | |
| BbsI | !GTCTTC | 0 | | | | | | |
| BbsI | !GAAGAC | 0 | | | | | | |
| BbvI | GCAGCNNNNNNNN! | 8 | 1156 | 1308 | 1544 | 2829 | 2871 | |
| | | | 3392 | 3845 | 4345 | | | |
| BbvI | !NNNNNNNNNNNGCTGC | 8 | 759 | 2038 | 2703 | 2887 | 2980 | |
| | | | 4046 | 4252 | 4255 | | | |
| BbvII | GAAGACNN! | 0 | | | | | | |
| BbvII | !NNNNNNGTCTTC | 0 | | | | | | |
| BcefI | ACGGCNNNNNNNNNN! | 11 | 688 | 700 | 748 | 829 | 940 | |
| | | | 1030 | 1108 | 1201 | 1324 | 3182 | |
| | | | 3669 | | | | | |
| BcefI | !NNNNNNNNNNNNGCCGT | 3 | 1898 | 2716 | 4175 | | | |
| BcgI | !GCANNNNNNTCG | 0 | | | | | | |
| BcgI | !CGANNNNNNTGC | 0 | | | | | | |
| BclI | T!GATCA | 1 | 1413 | | | | | |
| BcnI | CC!SGG | 6 | 1388 | 1389 | 2760 | 2920 | 3533 | |
| | | | 4297 | | | | | |
| BfaI | C!TAG | 8 | 593 | 1404 | 1605 | 2023 | 2579 | |
| | | | 3594 | 3928 | 4181 | | | |
| BfrI | C!TTAAG | 0 | | | | | | |
| BglI | GCCNNNN!NGGC | 4 | 91 | 213 | 284 | 2531 | | |
| BglII | A!GATCT | 1 | 1340 | | | | | |
| BinI | !NNNNNGATCC | 7 | 581 | 1192 | 1386 | 3000 | 3544 | |

| | | | | | | | | |
|----------|-----------------|----|------|------|------|------|------|--|
| | | | 3931 | 4028 | | | | |
| BinI | GGATCNNNN! | 9 | 1399 | 1408 | 2624 | 2935 | 3181 | |
| | | | 3573 | 3932 | 4030 | 4116 | | |
| BlnI | C!CTAGG | 2 | 2578 | 3593 | | | | |
| BmyI | GDGCH!C | 15 | 654 | 684 | 783 | 1176 | 1275 | |
| | | | 1351 | 1388 | 1947 | 2702 | 2795 | |
| | | | 2869 | 3059 | 3121 | 3831 | 4364 | |
| BpmI | !CTCCAG | 1 | 3553 | | | | | |
| BpmI | !CTGGAG | 5 | 739 | 1036 | 1096 | 1276 | 3574 | |
| Bpu1102I | GC!TNAGC | 0 | | | | | | |
| BsaAI | YAC!GTR | 3 | 341 | 1872 | 3060 | | | |
| BsaBI | GATNN!NNATC | 3 | 1202 | 1418 | 2615 | | | |
| BsaHI | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 723 | |
| | | | 2756 | 3458 | 3537 | | | |
| BsaI | GGTCTCN! | 0 | | | | | | |
| BsaI | !NNNNNGAGACC | 1 | 3745 | | | | | |
| BsaJI | C!CNNGG | 27 | 361 | 612 | 782 | 792 | 882 | |
| | | | 940 | 969 | 1024 | 1176 | 1177 | |
| | | | 1306 | 1380 | 1387 | 2290 | 2362 | |
| | | | 2485 | 2520 | 2529 | 2578 | 2919 | |
| | | | 3188 | 3593 | 3720 | 3721 | 3823 | |
| | | | 3824 | 4514 | | | | |
| BseAI | T!CCGGA | 1 | 1331 | | | | | |
| BsePI | !GCGCGC | 0 | | | | | | |
| BsgI | !GTGCAG | 1 | 1141 | | | | | |
| BsgI | !CTGCAC | 1 | 756 | | | | | |
| BsiEI | CGRY!CG | 3 | 606 | 2665 | 4340 | | | |
| BsiWI | C!GTACG | 0 | | | | | | |
| BsiYI | CCNNNNN!NNGG | 24 | 50 | 783 | 946 | 1036 | 1081 | |
| | | | 1252 | 1312 | 1768 | 2094 | 2486 | |
| | | | 2737 | 3281 | 3562 | 3594 | 3595 | |
| | | | 3726 | 3761 | 3811 | 3812 | 3843 | |
| | | | 4196 | 4475 | 4641 | 4659 | | |
| BslI | CCNNNNN!NNGG | 24 | 50 | 783 | 946 | 1036 | 1081 | |
| | | | 1252 | 1312 | 1768 | 2094 | 2486 | |
| | | | 2737 | 3281 | 3562 | 3594 | 3595 | |
| | | | 3726 | 3761 | 3811 | 3812 | 3843 | |
| | | | 4196 | 4475 | 4641 | 4659 | | |
| BsmAI | !GTCTC | 1 | 429 | | | | | |
| BsmAI | !GAGAC | 4 | 2185 | 2603 | 3622 | 3750 | | |
| BsmI | GAATGCN! | 1 | 1507 | | | | | |
| BsmI | G!CATTC | 1 | 1600 | | | | | |
| Bsp1286I | GDGCH!C | 15 | 654 | 684 | 783 | 1176 | 1275 | |
| | | | 1351 | 1388 | 1947 | 2702 | 2795 | |
| | | | 2869 | 3059 | 3121 | 3831 | 4364 | |
| BspDI | AT!CGAT | 1 | 2596 | | | | | |
| BspEI | T!CCGGA | 1 | 1331 | | | | | |
| BspHI | T!CATGA | 2 | 2182 | 3954 | | | | |
| BspMI | ACCTGCNNNN! | 2 | 3024 | 3474 | | | | |
| BspMI | !NNNNNNNNGCAGGT | 1 | 2643 | | | | | |
| BspMII | T!CCGGA | 1 | 1331 | | | | | |
| BspWI | GCNNNNN!NNGC | 38 | 91 | 213 | 245 | 284 | 377 | |
| | | | 401 | 664 | 705 | 711 | 765 | |
| | | | 778 | 822 | 831 | 1053 | 1245 | |
| | | | 1296 | 1983 | 2013 | 2040 | 2082 | |
| | | | 2084 | 2323 | 2395 | 2446 | 2525 | |
| | | | 2531 | 2747 | 2831 | 2854 | 2993 | |
| | | | 2999 | 3116 | 3199 | 3466 | 3653 | |
| | | | 3857 | 4056 | 4628 | | | |

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|----------|---------------|----|--|--|--|--|--|
| BsrFI | R!CCGGY | 7 | 601 3256 | 641 3539 | 764 | 1973 | 3075 |
| BsrI | ACTGGN! | 3 | 2700 | 2901 | 4147 | | |
| BsrI | C!CAGT | 5 | 296 | 1785 | 2463 | 4259 | 4272 |
| BssHII | G!CGCGC | 0 | | | | | |
| Bst1107I | GTA!TAC | 0 | | | | | |
| BstBI | TT!CGAA | 2 | 1358 | 3438 | | | |
| BstEII | G!GTNACC | 1 | 796 | | | | |
| BstI | G!GATCC | 1 | 1391 | | | | |
| BstNI | CC!WGG | 19 | 91 971 2292 3825 | 284 1025 2347 4515 | 784 1097 2364 4528 | 794 1178 3143 4649 | 896 1277 3722 |
| BstPI | G!GTNACC | 1 | 796 | | | | |
| BstUI | CG!CG | 19 | 61 1644 2131 3708 | 705 1680 2822 3777 | 942 2056 3123 4050 | 1260 2076 3561 4631 | 1382 2100 3645 |
| BstXI | CCANNNNN!NTGG | 0 | | | | | |
| BstYI | R!GATCY | 11 | 586 3173 4033 | 1340 3565 | 1391 3924 | 1400 3936 | 2927 4022 |
| Bsu36I | CC!TNAGG | 2 | 2236 | 3868 | | | |
| CbiI | TT!CGAA | 2 | 1358 | 3438 | | | |
| CcrI | C!TCGAG | 1 | 1344 | | | | |
| CelII | GC!TNAGC | 0 | | | | | |
| CfoI | GCG!C | 25 | 598 2022 2100 2859 4050 | 705 2030 2131 3125 4159 | 875 2056 2750 3385 4333 | 903 2078 2758 3561 4433 | 1292 2087 2822 3647 4500 |
| Cfr10I | R!CCGGY | 7 | 601 3256 | 641 3539 | 764 | 1973 | 3075 |
| Cfr13I | G!GNCC | 15 | 84 1243 3272 | 277 1255 3717 | 786 1384 3763 | 1027 1385 3821 | 1187 1863 3854 |
| Cfr9I | C!CCGGG | 1 | 1387 | | | | |
| CfrI | Y!GGCCR | 6 | 685 3254 | 1149 | 2662 | 2836 | 3227 |
| ClaI | AT!CGAT | 1 | 2596 | | | | |
| CpoI | CG!GWCCG | 1 | 3272 | | | | |
| Csp45I | TT!CGAA | 2 | 1358 | 3438 | | | |
| CspI | CG!GSCCG | 0 | | | | | |
| CviJI | RG!CY | 95 | 43 634 787 1047 1151 1321 1535 1959 2490 2565 2689 2838 3012 3229 3336 3765 | 85 667 888 1056 1188 1349 1702 1973 2519 2577 2716 2862 3075 3256 3516 3822 | 94 687 988 1085 1221 1355 1722 2254 2525 2583 2741 2900 3119 3260 3543 3829 | 278 739 1029 1095 1256 1386 1864 2295 2534 2664 2825 2976 3129 3297 3604 3836 | 567 772 1036 1147 1299 1425 1945 2367 2542 2681 2834 2993 3146 3320 3726 3855 |

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|----------|---------------|----|------|------|------|------|------|
| | | | 3866 | 4117 | 4146 | 4189 | 4200 |
| | | | 4265 | 4344 | 4369 | 4374 | 4420 |
| | | | 4510 | 4608 | 4634 | 4652 | 4663 |
| CvnI | CC!TNAGG | 2 | 2236 | 3868 | | | |
| DdeI | C!TNAG | 8 | 1217 | 1337 | 2236 | 2538 | 3419 |
| | | | 3868 | 3991 | 4400 | | |
| DpnI | GA!TC | 24 | 588 | 662 | 746 | 1199 | 1342 |
| | | | 1393 | 1402 | 1415 | 2595 | 2599 |
| | | | 2618 | 2929 | 3007 | 3088 | 3097 |
| | | | 3175 | 3551 | 3567 | 3926 | 3938 |
| | | | 4016 | 4024 | 4035 | 4110 | |
| DpnII | !GATC | 24 | 586 | 660 | 744 | 1197 | 1340 |
| | | | 1391 | 1400 | 1413 | 2593 | 2597 |
| | | | 2616 | 2927 | 3005 | 3086 | 3095 |
| | | | 3173 | 3549 | 3565 | 3924 | 3936 |
| | | | 4014 | 4022 | 4033 | 4108 | |
| DraI | TTT!AAA | 3 | 1458 | 3900 | 3919 | | |
| DraII | RG!GNCCY | 1 | 3854 | | | | |
| DraIII | CACNNN!GTG | 2 | 1270 | 1872 | | | |
| DrdI | GACNNNN!NNGTC | 3 | 1827 | 2783 | 4572 | | |
| DsaI | C!CRYGG | 7 | 361 | 612 | 940 | 1306 | 1380 |
| | | | 2485 | 3188 | | | |
| DsaV | !CCNGG | 25 | 89 | 282 | 782 | 792 | 894 |
| | | | 969 | 1023 | 1095 | 1176 | 1275 |
| | | | 1386 | 1387 | 2290 | 2345 | 2362 |
| | | | 2758 | 2918 | 3141 | 3531 | 3720 |
| | | | 3823 | 4295 | 4513 | 4526 | 4647 |
| EaeI | Y!GGCCR | 6 | 685 | 1149 | 2662 | 2836 | 3227 |
| | | | 3254 | | | | |
| EagI | C!GGCCG | 1 | 2662 | | | | |
| Eam1105I | GACNNN!NNGTC | 0 | | | | | |
| EarI | !CTCTTC | 1 | 910 | | | | |
| EarI | !GAAGAG | 3 | 2227 | 3104 | 3314 | | |
| Ecl136II | GAG!CTC | 1 | 1349 | | | | |
| EclXI | C!GGCCG | 1 | 2662 | | | | |
| Eco105I | TAC!GTA | 1 | 341 | | | | |
| Eco31I | GGTCTCN! | 0 | | | | | |
| Eco31I | !NNNNNGAGACC | 1 | 3745 | | | | |
| Eco47I | G!GWCC | 3 | 1243 | 3272 | 3717 | | |
| Eco47III | AGC!GCT | 1 | 597 | | | | |
| Eco52I | C!GGCCG | 1 | 2662 | | | | |
| Eco57I | !CTGAAG | 3 | 988 | 2880 | 3312 | | |
| Eco57I | !CTTCAG | 1 | 4146 | | | | |
| Eco81I | CC!TNAGG | 2 | 2236 | 3868 | | | |
| EcoNI | CCTNN!NNNAGG | 0 | | | | | |
| EcoO109I | RG!GNCCY | 1 | 3854 | | | | |
| EcoO65I | G!GTNACC | 1 | 796 | | | | |
| EcoRI | G!AATTC | 1 | 1360 | | | | |
| EcoRII | !CCWGG | 19 | 89 | 282 | 782 | 792 | 894 |
| | | | 969 | 1023 | 1095 | 1176 | 1275 |
| | | | 2290 | 2345 | 2362 | 3141 | 3720 |
| | | | 3823 | 4513 | 4526 | 4647 | |
| EcoRV | GAT!ATC | 0 | | | | | |
| EcoT14I | C!CWGGG | 6 | 361 | 612 | 2485 | 2578 | 3188 |
| | | | 3593 | | | | |
| EcoT22I | ATGCA!T | 3 | 2328 | 2400 | 4731 | | |
| EcoT38I | GRGCY!C | 5 | 1351 | 1388 | 1947 | 3121 | 3831 |
| EheI | GGC!GCC | 1 | 2757 | | | | |
| Esp3I | CGTCTCN! | 0 | | | | | |

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|---------|---------------------|----|------|------|------|------|------|--|
| Esp3I | !NNNNNGAGACG | 0 | | | | | | |
| EspI | GC!TNAGC | 0 | | | | | | |
| FbaI | T!GATCA | 1 | 1413 | | | | | |
| FinI | !GTCCC | 4 | 2286 | 2358 | 2422 | 3717 | | |
| FinI | !GGGAC | 6 | 161 | 312 | 480 | 2892 | 3424 | |
| | | | 3533 | | | | | |
| Fnu4HI | GC!NGC | 35 | 706 | 773 | 943 | 1135 | 1138 | |
| | | | 1145 | 1297 | 1533 | 2052 | 2074 | |
| | | | 2088 | 2526 | 2665 | 2717 | 2728 | |
| | | | 2818 | 2823 | 2860 | 2901 | 2988 | |
| | | | 2991 | 2994 | 3230 | 3326 | 3367 | |
| | | | 3381 | 3495 | 3834 | 3849 | 4060 | |
| | | | 4266 | 4269 | 4334 | 4477 | 4632 | |
| FokI | GGATGNNNNNNNNN! | 4 | 2623 | 3080 | 3105 | 3559 | | |
| FokI | !NNNNNNNNNNNNNCATCC | 4 | 878 | 893 | 1007 | 2429 | | |
| FspI | TGC!GCA | 1 | 2858 | | | | | |
| GdiII | !NNNNNYGGCCG | 4 | 1143 | 2656 | 3221 | 3248 | | |
| GdiII | CGGCCRN! | 2 | 691 | 2668 | | | | |
| GsuI | !CTCCAG | 1 | 3553 | | | | | |
| GsuI | !CTGGAG | 5 | 739 | 1036 | 1096 | 1276 | 3574 | |
| HaeI | WGG!CCW | 6 | 1085 | 2577 | 2838 | 4200 | 4652 | |
| | | | 4663 | | | | | |
| HaeII | RGCGC!Y | 7 | 599 | 876 | 1293 | 2023 | 2031 | |
| | | | 2759 | 4434 | | | | |
| HaeIII | GG!CC | 28 | 85 | 278 | 687 | 787 | 1029 | |
| | | | 1085 | 1095 | 1151 | 1188 | 1256 | |
| | | | 1386 | 1722 | 1864 | 2519 | 2525 | |
| | | | 2534 | 2577 | 2664 | 2838 | 3229 | |
| | | | 3256 | 3765 | 3822 | 3855 | 4200 | |
| | | | 4634 | 4652 | 4663 | | | |
| HapII | C!CGG | 22 | 602 | 642 | 765 | 1332 | 1388 | |
| | | | 1398 | 1974 | 2661 | 2738 | 2760 | |
| | | | 2788 | 2919 | 3009 | 3076 | 3257 | |
| | | | 3532 | 3540 | 3632 | 4106 | 4296 | |
| | | | 4322 | 4469 | | | | |
| HgaI | GACGCNNNNN! | 4 | 527 | 731 | 3466 | 3545 | | |
| HgaI | !NNNNNNNNNNNGCGTC | 3 | 2089 | 3984 | 4562 | | | |
| HgiAI | GWGCW!C | 6 | 684 | 1275 | 1351 | 2869 | 3059 | |
| | | | 4364 | | | | | |
| HgiEII | !ACCNNNNNNGGT | 1 | 4086 | | | | | |
| HhaI | GCG!C | 25 | 598 | 705 | 875 | 903 | 1292 | |
| | | | 2022 | 2030 | 2056 | 2078 | 2087 | |
| | | | 2100 | 2131 | 2750 | 2758 | 2822 | |
| | | | 2859 | 3125 | 3385 | 3561 | 3647 | |
| | | | 4050 | 4159 | 4333 | 4433 | 4500 | |
| Hin1I | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 723 | |
| | | | 2756 | 3458 | 3537 | | | |
| HinP1I | G!CGC | 25 | 596 | 703 | 873 | 901 | 1290 | |
| | | | 2020 | 2028 | 2054 | 2076 | 2085 | |
| | | | 2098 | 2129 | 2748 | 2756 | 2820 | |
| | | | 2857 | 3123 | 3383 | 3559 | 3645 | |
| | | | 4048 | 4157 | 4331 | 4431 | 4498 | |
| HincII | GTY!RAC | 2 | 1372 | 1519 | | | | |
| HindIII | A!AGCTT | 1 | 1353 | | | | | |
| HinfI | G!ANTC | 13 | 411 | 1280 | 1335 | 1799 | 1821 | |
| | | | 2231 | 3241 | 3375 | 3427 | 3485 | |
| | | | 3522 | 4304 | 4700 | | | |
| HpaI | GTT!AAC | 1 | 1519 | | | | | |
| HpaII | C!CGG | 22 | 602 | 642 | 765 | 1332 | 1388 | |

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|---------|----------------|----|------|------|------|------|------|
| | | | 1398 | 1974 | 2661 | 2738 | 2760 |
| | | | 2788 | 2919 | 3009 | 3076 | 3257 |
| | | | 3532 | 3540 | 3632 | 4106 | 4296 |
| | | | 4322 | 4469 | | | |
| HphI | GGTGANNNNNNNN! | 7 | 377 | 808 | 961 | 985 | 1114 |
| | | | 3827 | 3943 | | | |
| HphI | !NNNNNNNTCACC | 4 | 799 | 1063 | 1873 | 2934 | |
| KasI | G!GCGCC | 1 | 2755 | | | | |
| KpnI | GGTAC!C | 1 | 1380 | | | | |
| Ksp632I | CTCTTCN! | 1 | 917 | | | | |
| Ksp632I | !NNNNGAAGAG | 3 | 2223 | 3100 | 3310 | | |
| KspI | CCGC!GG | 2 | 943 | 1383 | | | |
| MaeI | C!TAG | 8 | 593 | 1404 | 1605 | 2023 | 2579 |
| | | | 3594 | 3928 | 4181 | | |
| MaeII | A!CGT | 17 | 123 | 135 | 176 | 259 | 340 |
| | | | 445 | 678 | 1062 | 1170 | 1816 |
| | | | 1828 | 1871 | 1981 | 2872 | 3059 |
| | | | 3840 | 3973 | | | |
| MaeIII | !GTNAC | 13 | 62 | 149 | 498 | 796 | 1544 |
| | | | 2045 | 2057 | 2876 | 3182 | 3872 |
| | | | 4138 | 4254 | 4317 | | |
| MamI | GATNN!NNATC | 3 | 1202 | 1418 | 2615 | | |
| MboI | !GATC | 24 | 586 | 660 | 744 | 1197 | 1340 |
| | | | 1391 | 1400 | 1413 | 2593 | 2597 |
| | | | 2616 | 2927 | 3005 | 3086 | 3095 |
| | | | 3173 | 3549 | 3565 | 3924 | 3936 |
| | | | 4014 | 4022 | 4033 | 4108 | |
| MboII | GAAGANNNNNNNN! | 6 | 862 | 2012 | 2240 | 3117 | 3327 |
| | | | 3946 | | | | |
| MboII | !NNNNNNNTCTTC | 6 | 856 | 904 | 3407 | 3574 | 3774 |
| | | | 4017 | | | | |
| McrI | !CGRYCG | 3 | 602 | 2661 | 4336 | | |
| MfeI | !CAATTG | 1 | 1505 | | | | |
| MflI | R!GATCY | 11 | 586 | 1340 | 1391 | 1400 | 2927 |
| | | | 3173 | 3565 | 3924 | 3936 | 4022 |
| | | | 4033 | | | | |
| MluI | A!CGCGT | 1 | 1642 | | | | |
| MmeI | !TCCRAC | 1 | 1823 | | | | |
| MmeI | !GTYGGA | 2 | 4299 | 4483 | | | |
| MnlI | CCTCNNNNNNN! | 11 | 815 | 920 | 1475 | 1484 | 2539 |
| | | | 2545 | 3357 | 3563 | 3877 | 4247 |
| | | | 4571 | | | | |
| MnlI | !NNNNNNNGAGG | 25 | 541 | 621 | 702 | 708 | 876 |
| | | | 939 | 951 | 1002 | 1092 | 1122 |
| | | | 1245 | 1434 | 1899 | 2230 | 2508 |
| | | | 2514 | 2551 | 2554 | 2566 | 2606 |
| | | | 2670 | 2806 | 3163 | 3593 | 4496 |
| MroI | T!CCGGA | 1 | 1331 | | | | |
| MscI | TGG!CCA | 1 | 2838 | | | | |
| MseI | T!TAA | 15 | 8 | 1457 | 1518 | 1639 | 1660 |
| | | | 1671 | 1683 | 1694 | 1711 | 1809 |
| | | | 2080 | 3899 | 3913 | 3918 | 3970 |
| MspI | C!CGG | 22 | 602 | 642 | 765 | 1332 | 1388 |
| | | | 1398 | 1974 | 2661 | 2738 | 2760 |
| | | | 2788 | 2919 | 3009 | 3076 | 3257 |
| | | | 3532 | 3540 | 3632 | 4106 | 4296 |
| | | | 4322 | 4469 | | | |
| MstI | TGC!GCA | 1 | 2858 | | | | |
| MstII | CC!TNAGG | 2 | 2236 | 3868 | | | |

| | | | | | | | | |
|------------|--------------|----|------|------|------|------|------|--|
| MunI | C!AATTG | 1 | 1506 | | | | | |
| MvaI | CC!WGG | 19 | 91 | 284 | 784 | 794 | 896 | |
| | | | 971 | 1025 | 1097 | 1178 | 1277 | |
| | | | 2292 | 2347 | 2364 | 3143 | 3722 | |
| | | | 3825 | 4515 | 4528 | 4649 | | |
| MvnI | CG!CG | 19 | 61 | 705 | 942 | 1260 | 1382 | |
| | | | 1644 | 1680 | 2056 | 2076 | 2100 | |
| | | | 2131 | 2822 | 3123 | 3561 | 3645 | |
| | | | 3708 | 3777 | 4050 | 4631 | | |
| NaeI | GCC!GGC | 4 | 643 | 1975 | 3258 | 3541 | | |
| NarI | GG!CGCC | 1 | 2756 | | | | | |
| NciI | CC!SGG | 6 | 1388 | 1389 | 2760 | 2920 | 3533 | |
| | | | 4297 | | | | | |
| NcoI | C!CATGG | 4 | 361 | 612 | 2485 | 3188 | | |
| NdeI | CA!TATG | 1 | 235 | | | | | |
| NdeII | !GATC | 24 | 586 | 660 | 744 | 1197 | 1340 | |
| | | | 1391 | 1400 | 1413 | 2593 | 2597 | |
| | | | 2616 | 2927 | 3005 | 3086 | 3095 | |
| | | | 3173 | 3549 | 3565 | 3924 | 3936 | |
| | | | 4014 | 4022 | 4033 | 4108 | | |
| NgoMI | G!CCGGC | 4 | 641 | 1973 | 3256 | 3539 | | |
| NheI | G!CTAGC | 1 | 592 | | | | | |
| NlaIII | CATG! | 20 | 305 | 365 | 616 | 850 | 880 | |
| | | | 1270 | 1315 | 2186 | 2326 | 2398 | |
| | | | 2489 | 2630 | 2975 | 3161 | 3192 | |
| | | | 3218 | 3574 | 3958 | 4678 | 4729 | |
| NlaIV | GGN!NCC | 18 | 468 | 1189 | 1378 | 1386 | 1393 | |
| | | | 1911 | 1932 | 1944 | 2135 | 2296 | |
| | | | 2368 | 2757 | 2792 | 3640 | 3719 | |
| | | | 3764 | 4607 | 4646 | | | |
| NotI | GC!GGCCGC | 0 | | | | | | |
| NruI | TCG!CGA | 0 | | | | | | |
| NsiI | ATGCA!T | 3 | 2328 | 2400 | 4731 | | | |
| Nsp(7524)I | RCATG!Y | 4 | 2326 | 2398 | 3161 | 4678 | | |
| Nsp(7524)V | TT!CGAA | 2 | 1358 | 3438 | | | | |
| NspBII | CMG!CKG | 7 | 942 | 1147 | 1382 | 2254 | 2862 | |
| | | | 4091 | 4336 | | | | |
| NspII | GDGCH!C | 15 | 654 | 684 | 783 | 1176 | 1275 | |
| | | | 1351 | 1388 | 1947 | 2702 | 2795 | |
| | | | 2869 | 3059 | 3121 | 3831 | 4364 | |
| NspIII | C!YCGRG | 3 | 881 | 1344 | 1387 | | | |
| NspIV | G!GNCC | 15 | 84 | 277 | 786 | 1027 | 1187 | |
| | | | 1243 | 1255 | 1384 | 1385 | 1863 | |
| | | | 3272 | 3717 | 3763 | 3821 | 3854 | |
| NunII | GG!CGCC | 1 | 2756 | | | | | |
| PacI | TTAAT!TAA | 0 | | | | | | |
| Paer71 | C!TCGAG | 1 | 1344 | | | | | |
| PaiI | GG!CC | 28 | 85 | 278 | 687 | 787 | 1029 | |
| | | | 1085 | 1095 | 1151 | 1188 | 1256 | |
| | | | 1386 | 1722 | 1864 | 2519 | 2525 | |
| | | | 2534 | 2577 | 2664 | 2838 | 3229 | |
| | | | 3256 | 3765 | 3822 | 3855 | 4200 | |
| | | | 4634 | 4652 | 4663 | | | |
| PflMI | CCANNNN!NTGG | 2 | 1036 | 1312 | | | | |
| PleI | GAGTCNNNN! | 3 | 1288 | 1807 | 2239 | | | |
| PleI | !NNNNNGACTC | 5 | 405 | 1329 | 1815 | 3421 | 4298 | |
| PmaCI | CAC!GTG | 0 | | | | | | |
| PmeI | GTTT!AAAC | 0 | | | | | | |
| PmlI | CAC!GTG | 0 | | | | | | |

| | | | | | | | | |
|----------|-----------------|----|------|------|------|------|------|--|
| PpuMI | RG!GWCCY | 0 | | | | | | |
| PshAI | GACNN!NNGTC | 0 | | | | | | |
| PstI | CTGCA!G | 2 | 1298 | 1369 | | | | |
| PvuI | CGAT!CG | 0 | | | | | | |
| PvuII | CAG!CTG | 3 | 1147 | 2254 | 2862 | | | |
| RmaI | C!TAG | 8 | 593 | 1404 | 1605 | 2023 | 2579 | |
| | | | 3594 | 3928 | 4181 | | | |
| RsaI | GT!AC | 12 | 220 | 245 | 300 | 333 | 384 | |
| | | | 541 | 819 | 932 | 1043 | 1325 | |
| | | | 1378 | 3062 | | | | |
| RsrI | G!AATTC | 1 | 1360 | | | | | |
| RsrII | CG!GWCCG | 1 | 3272 | | | | | |
| SacI | GAGCT!C | 1 | 1351 | | | | | |
| SacII | CCGC!GG | 2 | 943 | 1383 | | | | |
| SalI | G!TCGAC | 1 | 1370 | | | | | |
| Sau3AI | !GATC | 24 | 586 | 660 | 744 | 1197 | 1340 | |
| | | | 1391 | 1400 | 1413 | 2593 | 2597 | |
| | | | 2616 | 2927 | 3005 | 3086 | 3095 | |
| | | | 3173 | 3549 | 3565 | 3924 | 3936 | |
| | | | 4014 | 4022 | 4033 | 4108 | | |
| Sau96I | G!GNCC | 15 | 84 | 277 | 786 | 1027 | 1187 | |
| | | | 1243 | 1255 | 1384 | 1385 | 1863 | |
| | | | 3272 | 3717 | 3763 | 3821 | 3854 | |
| SauI | CC!TNAGG | 2 | 2236 | 3868 | | | | |
| ScaI | AGT!ACT | 0 | | | | | | |
| ScrFI | CC!NGG | 25 | 91 | 284 | 784 | 794 | 896 | |
| | | | 971 | 1025 | 1097 | 1178 | 1277 | |
| | | | 1388 | 1389 | 2292 | 2347 | 2364 | |
| | | | 2760 | 2920 | 3143 | 3533 | 3722 | |
| | | | 3825 | 4297 | 4515 | 4528 | 4649 | |
| SduI | GDGCH!C | 15 | 654 | 684 | 783 | 1176 | 1275 | |
| | | | 1351 | 1388 | 1947 | 2702 | 2795 | |
| | | | 2869 | 3059 | 3121 | 3831 | 4364 | |
| SecI | C!CNNGG | 27 | 361 | 612 | 782 | 792 | 882 | |
| | | | 940 | 969 | 1024 | 1176 | 1177 | |
| | | | 1306 | 1380 | 1387 | 2290 | 2362 | |
| | | | 2485 | 2520 | 2529 | 2578 | 2919 | |
| | | | 3188 | 3593 | 3720 | 3721 | 3823 | |
| | | | 3824 | 4514 | | | | |
| SexI | !CTCGAG | 1 | 1343 | | | | | |
| SfaNI | GCATCNNNNN! | 8 | 654 | 990 | 1572 | 2335 | 2407 | |
| | | | 3055 | 3119 | 3394 | | | |
| SfaNI | !NNNNNNNNNGATGC | 5 | 358 | 2714 | 2969 | 3185 | 4577 | |
| SfcI | C!TRYAG | 5 | 1294 | 1365 | 2091 | 4218 | 4409 | |
| SfiI | GGCCNNNN!NGGCC | 1 | 2531 | | | | | |
| SfuI | TT!CGAA | 2 | 1358 | 3438 | | | | |
| SgrAI | CR!CCGGYG | 0 | | | | | | |
| SinI | G!GWCC | 3 | 1243 | 3272 | 3717 | | | |
| SmaI | CCC!GGG | 1 | 1389 | | | | | |
| SnaBI | TAC!GTA | 1 | 341 | | | | | |
| SnaI | !GTATAC | 0 | | | | | | |
| SnoI | G!TGCAC | 2 | 680 | 4360 | | | | |
| SpeI | A!CTAGT | 0 | | | | | | |
| SphI | GCATG!C | 3 | 2326 | 2398 | 3161 | | | |
| SpI | C!GTACG | 0 | | | | | | |
| SrfI | GCCC!GGGC | 0 | | | | | | |
| Sse8387I | CCTGCA!GG | 0 | | | | | | |
| SspI | AAT!ATT | 2 | 1664 | 2217 | | | | |
| SstI | GAGCT!C | 1 | 1351 | | | | | |

| | | | | | | | | |
|-----------|-------------------|----|------|------|------|------|------|--|
| SstII | CCGC!GG | 2 | 943 | 1383 | | | | |
| SstIII | !ACGT | 17 | 122 | 134 | 175 | 258 | 339 | |
| | | | 444 | 677 | 1061 | 1169 | 1815 | |
| | | | 1827 | 1870 | 1980 | 2871 | 3058 | |
| | | | 3839 | 3972 | | | | |
| StuI | AGG!CCT | 1 | 2577 | | | | | |
| StyI | C!CWWGG | 6 | 361 | 612 | 2485 | 2578 | 3188 | |
| | | | 3593 | | | | | |
| StySJI | !GAGNNNNNNGTRC | 0 | | | | | | |
| StySJI | !GYACNNNNNNCTC | 0 | | | | | | |
| SwaI | ATTT!AAAT | 0 | | | | | | |
| TaqI | T!CGA | 18 | 663 | 957 | 984 | 1128 | 1345 | |
| | | | 1358 | 1371 | 1905 | 2596 | 2869 | |
| | | | 3025 | 3049 | 3085 | 3247 | 3438 | |
| | | | 3483 | 3738 | 4576 | | | |
| TaqII | GACCGANNNNNNNNNN! | 4 | 1244 | 1776 | 2793 | 3461 | | |
| TaqII | !NNNNNNNNNTCGGTC | 1 | 3705 | | | | | |
| TaqII | CACCCANNNNNNNNNN! | 1 | 1319 | | | | | |
| TaqII | !NNNNNNNNNTGGGTG | 3 | 173 | 2660 | 3252 | | | |
| TfiI | G!AWTC | 5 | 3241 | 3375 | 3485 | 3522 | 4700 | |
| ThaI | CG!CG | 19 | 61 | 705 | 942 | 1260 | 1382 | |
| | | | 1644 | 1680 | 2056 | 2076 | 2100 | |
| | | | 2131 | 2822 | 3123 | 3561 | 3645 | |
| | | | 3708 | 3777 | 4050 | 4631 | | |
| Tsp45I | !GTSAC | 4 | 796 | 2045 | 2876 | 3182 | | |
| TspEI | !AATT | 11 | 19 | 1360 | 1506 | 1570 | 1648 | |
| | | | 1674 | 1685 | 2332 | 2404 | 2496 | |
| | | | 3914 | | | | | |
| Tth111I | GACN!NNGTC | 1 | 2874 | | | | | |
| Tth111II | CAARCANNNNNNNNNN! | 2 | 857 | 4083 | | | | |
| Tth111III | !NNNNNNNNNTGYTTG | 3 | 3191 | 4051 | 4090 | | | |
| TthHB8I | T!CGA | 18 | 663 | 957 | 984 | 1128 | 1345 | |
| | | | 1358 | 1371 | 1905 | 2596 | 2869 | |
| | | | 3025 | 3049 | 3085 | 3247 | 3438 | |
| | | | 3483 | 3738 | 4576 | | | |
| Van91I | CCANNNN!NTGG | 2 | 1036 | 1312 | | | | |
| VspI | AT!TAAT | 1 | 8 | | | | | |
| XbaI | T!CTAGA | 1 | 1403 | | | | | |
| XcmI | !CCANNNNNNNNTCG | 1 | 3031 | | | | | |
| XcyI | C!CCGGG | 1 | 1387 | | | | | |
| XhoI | C!TCGAG | 1 | 1344 | | | | | |
| XhoII | R!GATCY | 11 | 586 | 1340 | 1391 | 1400 | 2927 | |
| | | | 3173 | 3565 | 3924 | 3936 | 4022 | |
| | | | 4033 | | | | | |
| XmaI | C!CCGGG | 1 | 1387 | | | | | |
| XmaIII | C!GGCCG | 1 | 2662 | | | | | |
| XmnI | GAANN!NNTTC | 1 | 860 | | | | | |
| XorII | CGAT!CG | 0 | | | | | | |