

| Enzyme Name | Sequence | Count | Cutting Position | | | | |
|-------------|-------------|-------|------------------|------|------|------|------|
| AatI | AGG!CCT | 1 | 2576 | | | | |
| AatII | GACGT!C | 4 | 126 | 179 | 262 | 448 | |
| Acc65I | G!GTACC | 1 | 646 | | | | |
| AccI | GT!MKAC | 1 | 641 | | | | |
| AccII | CG!CG | 19 | 61 | 652 | 1003 | 1005 | 1323 |
| | | | 1404 | 1679 | 2055 | 2075 | 2099 |
| | | | 2130 | 2821 | 3122 | 3560 | 3644 |
| | | | 3707 | 3776 | 4049 | 4630 | |
| AccIII | T!CCGGA | 0 | | | | | |
| AciI | G!CGG | 26 | 371 | 404 | 529 | 652 | 768 |
| | | | 1398 | 2015 | 2042 | 2130 | 2240 |
| | | | 2821 | 2885 | 2986 | 2989 | 3269 |
| | | | 3324 | 3422 | 3560 | 3707 | 3847 |
| | | | 4090 | 4335 | 4456 | 4475 | 4602 |
| | | | 4630 | | | | |
| AciI | C!CGC | 37 | 59 | 87 | 99 | 113 | 280 |
| | | | 508 | 590 | 650 | 1180 | 1353 |
| | | | 1356 | 1359 | 1402 | 2070 | 2073 |
| | | | 2087 | 2177 | 2425 | 2437 | 2446 |
| | | | 2458 | 2468 | 2479 | 2525 | 2664 |
| | | | 2727 | 3229 | 3274 | 3340 | 3366 |
| | | | 3491 | 3494 | 3642 | 3774 | 4081 |
| | | | 4225 | 4721 | | | |
| AcyI | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 690 |
| | | | 2755 | 3457 | 3536 | | |
| AfaI | GT!AC | 11 | 220 | 245 | 300 | 333 | 384 |
| | | | 541 | 648 | 1106 | 1130 | 1388 |
| | | | 3061 | | | | |
| AflI | G!GWCC | 4 | 1177 | 1306 | 3271 | 3716 | |
| AflII | C!TTAAG | 1 | 1637 | | | | |
| AflIII | A!CRYGT | 1 | 4673 | | | | |
| AgeI | A!CCGGT | 1 | 667 | | | | |
| AhaI | CC!SGG | 6 | 658 | 659 | 2759 | 2919 | 3532 |
| | | | 4296 | | | | |
| AhaII | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 690 |
| | | | 2755 | 3457 | 3536 | | |
| AhaIII | TTT!AAA | 3 | 1457 | 3899 | 3918 | | |
| AluI | AG!CT | 22 | 567 | 619 | 625 | 697 | 730 |
| | | | 802 | 835 | 873 | 1051 | 1210 |
| | | | 1384 | 1534 | 1701 | 1958 | 2253 |
| | | | 2541 | 2861 | 3319 | 4116 | 4373 |
| | | | 4419 | 4509 | | | |
| Alw44I | G!TGCAC | 1 | 4359 | | | | |
| AlwI | GGATCNNNN! | 8 | 669 | 2623 | 2934 | 3180 | 3572 |
| | | | 3931 | 4029 | 4115 | | |
| AlwI | !NNNNNGATCC | 6 | 581 | 656 | 2999 | 3543 | 3930 |
| | | | 4027 | | | | |
| AlwNI | CAGNNN!CTG | 2 | 3856 | 4264 | | | |
| AocI | CC!TNAGG | 3 | 945 | 2235 | 3867 | | |
| AocII | GDGCH!C | 12 | 621 | 658 | 717 | 846 | 1946 |
| | | | 2701 | 2794 | 2868 | 3058 | 3120 |
| | | | 3830 | 4363 | | | |
| Aor51HI | AGC!GCT | 1 | 597 | | | | |
| AosI | TGC!GCA | 1 | 2857 | | | | |
| AosII | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 690 |
| | | | 2755 | 3457 | 3536 | | |

| | | | | | | | |
|-------------|-------------------|----|------|------|------|------|------|
| ApaI | GGGCC!C | 1 | 658 | | | | |
| ApaLI | G!TGCAC | 1 | 4359 | | | | |
| ApoI | R!AATTY | 4 | 630 | 1569 | 1673 | 1684 | |
| ApyI | CC!WGG | 17 | 91 | 284 | 847 | 857 | 959 |
| | | | 1034 | 1088 | 1150 | 2291 | 2346 |
| | | | 2363 | 3142 | 3721 | 3824 | 4514 |
| | | | 4527 | 4648 | | | |
| AquI | C!YCGRG | 3 | 614 | 657 | 1340 | | |
| AscI | GG!CGCGCC | 0 | | | | | |
| AseI | AT!TAAT | 1 | 8 | | | | |
| AsnI | AT!TAAT | 1 | 8 | | | | |
| Asp700I | GAANN!NNTTC | 0 | | | | | |
| Asp718I | G!GTACC | 1 | 646 | | | | |
| AspHI | GWGCW!C | 4 | 621 | 2868 | 3058 | 4363 | |
| AspI | GACN!NNGTC | 1 | 2873 | | | | |
| AsuI | G!GNCC | 14 | 84 | 277 | 654 | 655 | 849 |
| | | | 1177 | 1250 | 1306 | 1862 | 3271 |
| | | | 3716 | 3762 | 3820 | 3853 | |
| AsuII | TT!CGAA | 2 | 628 | 3437 | | | |
| AvaI | C!YCGRG | 3 | 614 | 657 | 1340 | | |
| AvaII | G!GWCC | 4 | 1177 | 1306 | 3271 | 3716 | |
| AvaIII | ATGCA!T | 3 | 2327 | 2399 | 4730 | | |
| AviII | TGC!GCA | 1 | 2857 | | | | |
| AvrI | !CYCGRG | 3 | 613 | 656 | 1339 | | |
| AvrII | C!CTAGG | 2 | 2577 | 3592 | | | |
| AxyI | CC!TNAGG | 3 | 945 | 2235 | 3867 | | |
| BalI | TGG!CCA | 3 | 750 | 863 | 2837 | | |
| BamHI | G!GATCC | 1 | 661 | | | | |
| BanI | G!GYRCC | 6 | 466 | 646 | 689 | 1908 | 2754 |
| | | | 2789 | | | | |
| BanII | GRGCY!C | 5 | 621 | 658 | 1946 | 3120 | 3830 |
| BanIII | AT!CGAT | 1 | 2595 | | | | |
| BbeI | GGCGC!C | 2 | 693 | 2758 | | | |
| BbiIII/AcyI | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 690 |
| | | | 2755 | 3457 | 3536 | | |
| BbrPI | CAC!GTG | 0 | | | | | |
| BbsI | !GTCTTC | 0 | | | | | |
| BbsI | !GAAGAC | 0 | | | | | |
| BbvI | GCAGCNNNNNNNN! | 9 | 928 | 1212 | 1219 | 1543 | 2828 |
| | | | 2870 | 3391 | 3844 | 4344 | |
| BbvI | !NNNNNNNNNNNGCTGC | 10 | 822 | 1245 | 1248 | 2037 | 2702 |
| | | | 2886 | 2979 | 4045 | 4251 | 4254 |
| BbvII | GAAGACNN! | 0 | | | | | |
| BbvII | !NNNNNNGTCTTC | 0 | | | | | |
| BcefI | ACGGCNNNNNNNNNN! | 6 | 811 | 892 | 1003 | 1387 | 3181 |
| | | | 3668 | | | | |
| BcefI | !NNNNNNNNNNNGCCGT | 3 | 1897 | 2715 | 4174 | | |
| BcgI | !GCANNNNNNTCG | 0 | | | | | |
| BcgI | !CGANNNNNNTGC | 1 | 777 | | | | |
| BclI | T!GATCA | 0 | | | | | |
| BcnI | CC!SGG | 6 | 658 | 659 | 2759 | 2919 | 3532 |
| | | | 4296 | | | | |
| BfaI | C!TAG | 8 | 593 | 1410 | 1604 | 2022 | 2578 |
| | | | 3593 | 3927 | 4180 | | |
| BfrI | C!TTAAG | 1 | 1637 | | | | |
| BglI | GCCNNNN!NGGC | 5 | 91 | 213 | 284 | 1145 | 2530 |
| BglII | A!GATCT | 1 | 610 | | | | |
| BinI | !NNNNNGATCC | 6 | 581 | 656 | 2999 | 3543 | 3930 |
| | | | 4027 | | | | |

| | | | | | | | |
|----------|-----------------|----|------|------|------|------|------|
| BinI | GGATCNNNN! | 8 | 669 | 2623 | 2934 | 3180 | 3572 |
| | | | 3931 | 4029 | 4115 | | |
| BlnI | C!CTAGG | 2 | 2577 | 3592 | | | |
| BmyI | GDGCH!C | 12 | 621 | 658 | 717 | 846 | 1946 |
| | | | 2701 | 2794 | 2868 | 3058 | 3120 |
| | | | 3830 | 4363 | | | |
| BpmI | !CTCCAG | 1 | 3552 | | | | |
| BpmI | !CTGGAG | 1 | 3573 | | | | |
| Bpu1102I | GC!TNAGC | 0 | | | | | |
| BsaAI | YAC!GTR | 3 | 341 | 1871 | 3059 | | |
| BsaBI | GATNN!NNATC | 2 | 1417 | 2614 | | | |
| BsaHI | GR!CGYC | 8 | 123 | 176 | 259 | 445 | 690 |
| | | | 2755 | 3457 | 3536 | | |
| BsaI | GGTCTCN! | 0 | | | | | |
| BsaI | !NNNNNGAGACC | 1 | 3744 | | | | |
| BsaJI | C!CNNGG | 24 | 361 | 650 | 657 | 845 | 855 |
| | | | 1008 | 1032 | 1087 | 1302 | 1369 |
| | | | 2289 | 2361 | 2484 | 2519 | 2528 |
| | | | 2577 | 2918 | 3187 | 3592 | 3719 |
| | | | 3720 | 3822 | 3823 | 4513 | |
| BseAI | T!CCGGA | 0 | | | | | |
| BsePI | !GCGCGC | 1 | 1002 | | | | |
| BsgI | !GTGCAG | 2 | 880 | 1204 | | | |
| BsgI | !CTGCAC | 1 | 819 | | | | |
| BsiEI | CGRY!CG | 4 | 672 | 1402 | 2664 | 4339 | |
| BsiWI | C!GTACG | 0 | | | | | |
| BsiYI | CCNNNNN!NNGG | 20 | 50 | 1303 | 1375 | 1767 | 2093 |
| | | | 2485 | 2736 | 3280 | 3561 | 3593 |
| | | | 3594 | 3725 | 3760 | 3810 | 3811 |
| | | | 3842 | 4195 | 4474 | 4640 | 4658 |
| BslI | CCNNNNN!NNGG | 20 | 50 | 1303 | 1375 | 1767 | 2093 |
| | | | 2485 | 2736 | 3280 | 3561 | 3593 |
| | | | 3594 | 3725 | 3760 | 3810 | 3811 |
| | | | 3842 | 4195 | 4474 | 4640 | 4658 |
| BsmAI | !GTCTC | 1 | 429 | | | | |
| BsmAI | !GAGAC | 4 | 2184 | 2602 | 3621 | 3749 | |
| BsmI | GAATGCN! | 1 | 1506 | | | | |
| BsmI | G!CATTC | 1 | 1599 | | | | |
| Bsp1286I | GDGCH!C | 12 | 621 | 658 | 717 | 846 | 1946 |
| | | | 2701 | 2794 | 2868 | 3058 | 3120 |
| | | | 3830 | 4363 | | | |
| BspDI | AT!CGAT | 1 | 2595 | | | | |
| BspEI | T!CCGGA | 0 | | | | | |
| BspHI | T!CATGA | 2 | 2181 | 3953 | | | |
| BspMI | ACCTGCNNNN! | 2 | 3023 | 3473 | | | |
| BspMI | !NNNNNNNNGCAGGT | 1 | 2642 | | | | |
| BspMII | T!CCGGA | 0 | | | | | |
| BspWI | GCNNNNN!NNGC | 35 | 91 | 213 | 245 | 284 | 377 |
| | | | 401 | 768 | 774 | 828 | 841 |
| | | | 885 | 894 | 1145 | 1982 | 2012 |
| | | | 2039 | 2081 | 2083 | 2322 | 2394 |
| | | | 2445 | 2524 | 2530 | 2746 | 2830 |
| | | | 2853 | 2992 | 2998 | 3115 | 3198 |
| | | | 3465 | 3652 | 3856 | 4055 | 4627 |
| BsrFI | R!CCGGY | 8 | 667 | 704 | 827 | 1055 | 1972 |
| | | | 3074 | 3255 | 3538 | | |
| BsrI | ACTGGN! | 3 | 2699 | 2900 | 4146 | | |
| BsrI | C!CAGT | 5 | 296 | 1784 | 2462 | 4258 | 4271 |
| BssHII | G!CGCGC | 1 | 1003 | | | | |

| | | | | | | | |
|----------|---------------|----|------|------|------|------|------|
| Bst1107I | GTA!TAC | 0 | | | | | |
| BstBI | TT!CGAA | 2 | 628 | 3437 | | | |
| BstEII | G!GTNACC | 0 | | | | | |
| BstI | G!GATCC | 1 | 661 | | | | |
| BstNI | CC!WGG | 17 | 91 | 284 | 847 | 857 | 959 |
| | | | 1034 | 1088 | 1150 | 2291 | 2346 |
| | | | 2363 | 3142 | 3721 | 3824 | 4514 |
| | | | 4527 | 4648 | | | |
| BstPI | G!GTNACC | 0 | | | | | |
| BstUI | CG!CG | 19 | 61 | 652 | 1003 | 1005 | 1323 |
| | | | 1404 | 1679 | 2055 | 2075 | 2099 |
| | | | 2130 | 2821 | 3122 | 3560 | 3644 |
| | | | 3707 | 3776 | 4049 | 4630 | |
| BstXI | CCANNNNN!NTGG | 1 | 859 | | | | |
| BstYI | R!GATCY | 10 | 586 | 610 | 661 | 2926 | 3172 |
| | | | 3564 | 3923 | 3935 | 4021 | 4032 |
| Bsu36I | CC!TNAGG | 3 | 945 | 2235 | 3867 | | |
| CbiI | TT!CGAA | 2 | 628 | 3437 | | | |
| CcrI | C!TCGAG | 2 | 614 | 1340 | | | |
| CelII | GC!TNAGC | 0 | | | | | |
| CfoI | GCG!C | 28 | 598 | 692 | 938 | 966 | 1005 |
| | | | 1007 | 1295 | 1323 | 2021 | 2029 |
| | | | 2055 | 2077 | 2086 | 2099 | 2130 |
| | | | 2749 | 2757 | 2821 | 2858 | 3124 |
| | | | 3384 | 3560 | 3646 | 4049 | 4158 |
| | | | 4332 | 4432 | 4499 | | |
| Cfr10I | R!CCGGY | 8 | 667 | 704 | 827 | 1055 | 1972 |
| | | | 3074 | 3255 | 3538 | | |
| Cfr13I | G!GNCC | 14 | 84 | 277 | 654 | 655 | 849 |
| | | | 1177 | 1250 | 1306 | 1862 | 3271 |
| | | | 3716 | 3762 | 3820 | 3853 | |
| Cfr9I | C!CCGGG | 1 | 657 | | | | |
| CfrI | Y!GGCCR | 9 | 748 | 861 | 1137 | 1212 | 1399 |
| | | | 2661 | 2835 | 3226 | 3253 | |
| ClaI | AT!CGAT | 1 | 2595 | | | | |
| CpoI | CG!GWCCG | 1 | 3271 | | | | |
| Csp45I | TT!CGAA | 2 | 628 | 3437 | | | |
| CspI | CG!GSCCG | 0 | | | | | |
| CviJI | RG!CY | 91 | 43 | 85 | 94 | 278 | 567 |
| | | | 619 | 625 | 656 | 697 | 730 |
| | | | 750 | 802 | 835 | 850 | 863 |
| | | | 873 | 951 | 1051 | 1139 | 1148 |
| | | | 1210 | 1214 | 1251 | 1384 | 1401 |
| | | | 1424 | 1534 | 1701 | 1721 | 1863 |
| | | | 1944 | 1958 | 1972 | 2253 | 2294 |
| | | | 2366 | 2489 | 2518 | 2524 | 2533 |
| | | | 2541 | 2564 | 2576 | 2582 | 2663 |
| | | | 2680 | 2688 | 2715 | 2740 | 2824 |
| | | | 2833 | 2837 | 2861 | 2899 | 2975 |
| | | | 2992 | 3011 | 3074 | 3118 | 3128 |
| | | | 3145 | 3228 | 3255 | 3259 | 3296 |
| | | | 3319 | 3335 | 3515 | 3542 | 3603 |
| | | | 3725 | 3764 | 3821 | 3828 | 3835 |
| | | | 3854 | 3865 | 4116 | 4145 | 4188 |
| | | | 4199 | 4264 | 4343 | 4368 | 4373 |
| | | | 4419 | 4509 | 4607 | 4633 | 4651 |
| | | | 4662 | | | | |
| CvnI | CC!TNAGG | 3 | 945 | 2235 | 3867 | | |
| DdeI | C!TNAG | 9 | 607 | 869 | 945 | 2235 | 2537 |

| | | | | | | | |
|-----------|---------------|----|------|------|------|------|------|
| | | | 3418 | 3867 | 3990 | 4399 | |
| DpnI | GA!TC | 24 | 588 | 612 | 663 | 725 | 906 |
| | | | 1326 | 1334 | 1414 | 2594 | 2598 |
| | | | 2617 | 2928 | 3006 | 3087 | 3096 |
| | | | 3174 | 3550 | 3566 | 3925 | 3937 |
| | | | 4015 | 4023 | 4034 | 4109 | |
| DpnII | !GATC | 24 | 586 | 610 | 661 | 723 | 904 |
| | | | 1324 | 1332 | 1412 | 2592 | 2596 |
| | | | 2615 | 2926 | 3004 | 3085 | 3094 |
| | | | 3172 | 3548 | 3564 | 3923 | 3935 |
| | | | 4013 | 4021 | 4032 | 4107 | |
| DraI | TTT!AAA | 3 | 1457 | 3899 | 3918 | | |
| DraII | RG!GNCCY | 2 | 1306 | 3853 | | | |
| DraIII | CACNNN!GTG | 1 | 1871 | | | | |
| DrdI | GACNNNN!NNGTC | 3 | 1826 | 2782 | 4571 | | |
| DsaI | C!CRYGG | 5 | 361 | 650 | 1369 | 2484 | 3187 |
| DsaV | !CCNGG | 23 | 89 | 282 | 656 | 657 | 845 |
| | | | 855 | 957 | 1032 | 1086 | 1148 |
| | | | 2289 | 2344 | 2361 | 2757 | 2917 |
| | | | 3140 | 3530 | 3719 | 3822 | 4294 |
| | | | 4512 | 4525 | 4646 | | |
| EaeI | Y!GGCCR | 9 | 748 | 861 | 1137 | 1212 | 1399 |
| | | | 2661 | 2835 | 3226 | 3253 | |
| EagI | C!GGCCG | 2 | 1399 | 2661 | | | |
| Eam1105I | GACNNN!NNGTC | 0 | | | | | |
| EarI | !CTCTTC | 0 | | | | | |
| EarI | !GAAGAG | 3 | 2226 | 3103 | 3313 | | |
| Ecl136II | GAG!CTC | 1 | 619 | | | | |
| EclXI | C!GGCCG | 2 | 1399 | 2661 | | | |
| Eco105I | TAC!GTA | 1 | 341 | | | | |
| Eco31I | GGTCTCN! | 0 | | | | | |
| Eco31I | !NNNNNGAGACC | 1 | 3744 | | | | |
| Eco47I | G!GWCC | 4 | 1177 | 1306 | 3271 | 3716 | |
| Eco47IIII | AGC!GCT | 1 | 597 | | | | |
| Eco52I | C!GGCCG | 2 | 1399 | 2661 | | | |
| Eco57I | !CTGAAG | 3 | 808 | 2879 | 3311 | | |
| Eco57I | !CTTCAG | 1 | 4145 | | | | |
| Eco81I | CC!TNAGG | 3 | 945 | 2235 | 3867 | | |
| EcoNI | CCTNN!NNNAGG | 1 | 1301 | | | | |
| EcoO109I | RG!GNCCY | 2 | 1306 | 3853 | | | |
| EcoO65I | G!GTNACC | 0 | | | | | |
| EcoRI | G!AATTC | 1 | 630 | | | | |
| EcoRII | !CCWGG | 17 | 89 | 282 | 845 | 855 | 957 |
| | | | 1032 | 1086 | 1148 | 2289 | 2344 |
| | | | 2361 | 3140 | 3719 | 3822 | 4512 |
| | | | 4525 | 4646 | | | |
| EcoRV | GAT!ATC | 0 | | | | | |
| EcoT14I | C!CWGGG | 6 | 361 | 1302 | 2484 | 2577 | 3187 |
| | | | 3592 | | | | |
| EcoT22I | ATGCA!T | 3 | 2327 | 2399 | 4730 | | |
| EcoT38I | GRGCY!C | 5 | 621 | 658 | 1946 | 3120 | 3830 |
| EheI | GGC!GCC | 2 | 691 | 2756 | | | |
| Esp3I | CGTCTCN! | 0 | | | | | |
| Esp3I | !NNNNNGAGACG | 0 | | | | | |
| EspI | GC!TNAGC | 0 | | | | | |
| FbaI | T!GATCA | 0 | | | | | |
| FinI | !GTCCC | 4 | 2285 | 2357 | 2421 | 3716 | |
| FinI | !GGGAC | 6 | 161 | 312 | 480 | 2891 | 3423 |
| | | | 3532 | | | | |

| | | | | | | | |
|---------|---------------------|----|---|---|---|--|--|
| Fnu4HI | GC!NGC | 39 | 769 1259 1402 2525 2822 2993 3494 4268 | 836 1262 1532 2664 2859 3229 3833 4333 | 917 1356 2051 2716 2900 3325 3848 4476 | 1201 1359 2073 2727 2987 3366 4059 4631 | 1208 1399 2087 2817 2990 3380 4265 |
| FokI | GGATGNNNNNNNNN! | 8 | 995 3079 | 1088 3104 | 1208 3558 | 1391 | 2622 |
| FokI | !NNNNNNNNNNNNNCATCC | 4 | 704 | 941 | 1070 | 2428 | |
| FspI | TGC!GCA | 1 | 2857 | | | | |
| GdiII | !NNNNNYGGCCG | 6 | 1131 3247 | 1206 | 1393 | 2655 | 3220 |
| GdiII | CGGCCRN! | 2 | 1405 | 2667 | | | |
| GsuI | !CTCCAG | 1 | 3552 | | | | |
| GsuI | !CTGGAG | 1 | 3573 | | | | |
| HaeI | WGG!CCW | 8 | 750 4199 | 863 4651 | 1148 4662 | 2576 | 2837 |
| HaeII | RGCGC!Y | 8 | 599 2030 | 693 2758 | 939 4433 | 1296 | 2022 |
| HaeIII | GG!CC | 28 | 85 863 1401 2533 3255 4633 | 278 1139 1721 2576 3764 4651 | 656 1148 1863 2663 3821 4662 | 750 1214 2518 2837 3854 | 850 1251 2524 3228 4199 |
| HapII | C!CGG | 22 | 602 1056 2787 3531 4321 | 658 1973 2918 3539 4468 | 668 2660 3008 3631 | 705 2737 3075 4105 | 828 2759 3256 4295 |
| HgaI | GACGCNNNNN! | 4 | 527 | 1009 | 3465 | 3544 | |
| HgaI | !NNNNNNNNNNGCGTC | 3 | 2088 | 3983 | 4561 | | |
| HgiAI | GWGCW!C | 4 | 621 | 2868 | 3058 | 4363 | |
| HgiEII | !ACCNNNNNNGGT | 1 | 4085 | | | | |
| HhaI | GCG!C | 28 | 598 1007 2055 2749 3384 4332 | 692 1295 2077 2757 3560 4432 | 938 1323 2086 2821 3646 4499 | 966 2021 2099 2858 4049 | 1005 2029 2130 3124 4158 |
| HinII | GR!CGYC | 8 | 123 2755 | 176 3457 | 259 3536 | 445 | 690 |
| HinPII | G!CGC | 28 | 596 1005 2053 2747 3382 4330 | 690 1293 2075 2755 3558 4430 | 936 1321 2084 2819 3644 4497 | 964 2019 2097 2856 4047 | 1003 2027 2128 3122 4156 |
| HincII | GTY!RAC | 2 | 642 | 1518 | | | |
| HindIII | A!AGCTT | 1 | 623 | | | | |
| HinfI | G!ANTC | 14 | 411 1820 3484 | 605 2230 3521 | 1039 3240 4303 | 1406 3374 4699 | 1798 3426 |
| HpaI | GTT!AAC | 1 | 1518 | | | | |
| HpaII | C!CGG | 22 | 602 1056 2787 | 658 1973 2918 | 668 2660 3008 | 705 2737 3075 | 828 2759 3256 |

| | | | | | | | |
|---------|----------------|----|------|------|------|------|------|
| | | | 3531 | 3539 | 3631 | 4105 | 4295 |
| | | | 4321 | 4468 | | | |
| HphI | GGTGANNNNNNNN! | 6 | 377 | 1024 | 1048 | 1177 | 3826 |
| | | | 3942 | | | | |
| HphI | !NNNNNNNTCACC | 4 | 694 | 1357 | 1872 | 2933 | |
| KasI | G!GCGCC | 2 | 689 | 2754 | | | |
| KpnI | GGTAC!C | 1 | 650 | | | | |
| Ksp632I | CTCTTCN! | 0 | | | | | |
| Ksp632I | !NNNNGAAGAG | 3 | 2222 | 3099 | 3309 | | |
| KspI | CCGC!GG | 1 | 653 | | | | |
| MaeI | C!TAG | 8 | 593 | 1410 | 1604 | 2022 | 2578 |
| | | | 3593 | 3927 | 4180 | | |
| MaeII | A!CGT | 14 | 123 | 135 | 176 | 259 | 340 |
| | | | 445 | 1815 | 1827 | 1870 | 1980 |
| | | | 2871 | 3058 | 3839 | 3972 | |
| MaeIII | !GTNAC | 13 | 62 | 149 | 498 | 1348 | 1543 |
| | | | 2044 | 2056 | 2875 | 3181 | 3871 |
| | | | 4137 | 4253 | 4316 | | |
| MamI | GATNN!NNATC | 2 | 1417 | 2614 | | | |
| MboI | !GATC | 24 | 586 | 610 | 661 | 723 | 904 |
| | | | 1324 | 1332 | 1412 | 2592 | 2596 |
| | | | 2615 | 2926 | 3004 | 3085 | 3094 |
| | | | 3172 | 3548 | 3564 | 3923 | 3935 |
| | | | 4013 | 4021 | 4032 | 4107 | |
| MboII | GAAGANNNNNNNN! | 5 | 2011 | 2239 | 3116 | 3326 | 3945 |
| MboII | !NNNNNNNTCTTC | 7 | 919 | 964 | 967 | 3406 | 3573 |
| | | | 3773 | 4016 | | | |
| McrI | !CGRYCG | 4 | 668 | 1398 | 2660 | 4335 | |
| MfeI | !CAATTG | 1 | 1504 | | | | |
| MflI | R!GATCY | 10 | 586 | 610 | 661 | 2926 | 3172 |
| | | | 3564 | 3923 | 3935 | 4021 | 4032 |
| MluI | A!CGCGT | 0 | | | | | |
| MmeI | !TCCRAC | 1 | 1822 | | | | |
| MmeI | !GTYGGA | 2 | 4298 | 4482 | | | |
| MnlI | CCTCNNNNNNN! | 10 | 1349 | 1474 | 1483 | 2538 | 2544 |
| | | | 3356 | 3562 | 3876 | 4246 | 4570 |
| MnlI | !NNNNNNNGAGG | 22 | 541 | 765 | 771 | 939 | 972 |
| | | | 1002 | 1014 | 1065 | 1433 | 1898 |
| | | | 2229 | 2507 | 2513 | 2550 | 2553 |
| | | | 2565 | 2605 | 2669 | 2805 | 3162 |
| | | | 3592 | 4495 | | | |
| MroI | T!CCGGA | 0 | | | | | |
| MscI | TGG!CCA | 3 | 750 | 863 | 2837 | | |
| MseI | T!TAA | 15 | 8 | 1456 | 1517 | 1638 | 1659 |
| | | | 1670 | 1682 | 1693 | 1710 | 1808 |
| | | | 2079 | 3898 | 3912 | 3917 | 3969 |
| MspI | C!CGG | 22 | 602 | 658 | 668 | 705 | 828 |
| | | | 1056 | 1973 | 2660 | 2737 | 2759 |
| | | | 2787 | 2918 | 3008 | 3075 | 3256 |
| | | | 3531 | 3539 | 3631 | 4105 | 4295 |
| | | | 4321 | 4468 | | | |
| MstI | TGC!GCA | 1 | 2857 | | | | |
| MstII | CC!TNAGG | 3 | 945 | 2235 | 3867 | | |
| MunI | C!AATTG | 1 | 1505 | | | | |
| MvaI | CC!WGG | 17 | 91 | 284 | 847 | 857 | 959 |
| | | | 1034 | 1088 | 1150 | 2291 | 2346 |
| | | | 2363 | 3142 | 3721 | 3824 | 4514 |
| | | | 4527 | 4648 | | | |
| MvnI | CG!CG | 19 | 61 | 652 | 1003 | 1005 | 1323 |

| | | | | | | | |
|------------|--------------|----|------|------|------|------|------|
| | | | 1404 | 1679 | 2055 | 2075 | 2099 |
| | | | 2130 | 2821 | 3122 | 3560 | 3644 |
| | | | 3707 | 3776 | 4049 | 4630 | |
| NaeI | GCC!GGC | 3 | 1974 | 3257 | 3540 | | |
| NarI | GG!CGCC | 2 | 690 | 2755 | | | |
| NciI | CC!SGG | 6 | 658 | 659 | 2759 | 2919 | 3532 |
| | | | 4296 | | | | |
| NcoI | C!CATGG | 3 | 361 | 2484 | 3187 | | |
| NdeI | CA!TATG | 1 | 235 | | | | |
| NdeII | !GATC | 24 | 586 | 610 | 661 | 723 | 904 |
| | | | 1324 | 1332 | 1412 | 2592 | 2596 |
| | | | 2615 | 2926 | 3004 | 3085 | 3094 |
| | | | 3172 | 3548 | 3564 | 3923 | 3935 |
| | | | 4013 | 4021 | 4032 | 4107 | |
| NgoMI | G!CCGGC | 3 | 1972 | 3255 | 3538 | | |
| NheI | G!CTAGC | 1 | 592 | | | | |
| NlaIII | CATG! | 20 | 305 | 365 | 682 | 913 | 943 |
| | | | 1333 | 1378 | 2185 | 2325 | 2397 |
| | | | 2488 | 2629 | 2974 | 3160 | 3191 |
| | | | 3217 | 3573 | 3957 | 4677 | 4728 |
| NlaIV | GGN!NCC | 19 | 468 | 648 | 656 | 663 | 691 |
| | | | 1308 | 1910 | 1931 | 1943 | 2134 |
| | | | 2295 | 2367 | 2756 | 2791 | 3639 |
| | | | 3718 | 3763 | 4606 | 4645 | |
| NotI | GC!GGCCGC | 1 | 1399 | | | | |
| NruI | TCG!CGA | 0 | | | | | |
| NsiI | ATGCA!T | 3 | 2327 | 2399 | 4730 | | |
| Nsp(7524)I | RCATG!Y | 4 | 2325 | 2397 | 3160 | 4677 | |
| Nsp(7524)V | TT!CGAA | 2 | 628 | 3437 | | | |
| NspBII | CMG!CKG | 6 | 652 | 1210 | 2253 | 2861 | 4090 |
| | | | 4335 | | | | |
| NspII | GDGCH!C | 12 | 621 | 658 | 717 | 846 | 1946 |
| | | | 2701 | 2794 | 2868 | 3058 | 3120 |
| | | | 3830 | 4363 | | | |
| NspIII | C!YCGRG | 3 | 614 | 657 | 1340 | | |
| NspIV | G!GNCC | 14 | 84 | 277 | 654 | 655 | 849 |
| | | | 1177 | 1250 | 1306 | 1862 | 3271 |
| | | | 3716 | 3762 | 3820 | 3853 | |
| NunII | GG!CGCC | 2 | 690 | 2755 | | | |
| PacI | TTAAT!TAA | 0 | | | | | |
| Paer71 | C!TCGAG | 2 | 614 | 1340 | | | |
| PalI | GG!CC | 28 | 85 | 278 | 656 | 750 | 850 |
| | | | 863 | 1139 | 1148 | 1214 | 1251 |
| | | | 1401 | 1721 | 1863 | 2518 | 2524 |
| | | | 2533 | 2576 | 2663 | 2837 | 3228 |
| | | | 3255 | 3764 | 3821 | 3854 | 4199 |
| | | | 4633 | 4651 | 4662 | | |
| PflMI | CCANNNN!NTGG | 1 | 1375 | | | | |
| PleI | GAGTCNNNN! | 3 | 1047 | 1806 | 2238 | | |
| PleI | !NNNNNGACTC | 6 | 405 | 599 | 1400 | 1814 | 3420 |
| | | | 4297 | | | | |
| PmaCI | CAC!GTG | 0 | | | | | |
| PmeI | GTTT!AAAC | 0 | | | | | |
| PmlI | CAC!GTG | 0 | | | | | |
| PpuMI | RG!GWCCY | 1 | 1306 | | | | |
| PshAI | GACNN!NNGTC | 0 | | | | | |
| PstI | CTGCA!G | 1 | 639 | | | | |
| PvuI | CGAT!CG | 0 | | | | | |
| PvuII | CAG!CTG | 3 | 1210 | 2253 | 2861 | | |

| | | | | | | | |
|----------|-----------------|----|------|------|------|------|------|
| RmaI | C!TAG | 8 | 593 | 1410 | 1604 | 2022 | 2578 |
| | | | 3593 | 3927 | 4180 | | |
| RsaI | GT!AC | 11 | 220 | 245 | 300 | 333 | 384 |
| | | | 541 | 648 | 1106 | 1130 | 1388 |
| | | | 3061 | | | | |
| RsrI | G!AATTC | 1 | 630 | | | | |
| RsrII | CG!GWCCG | 1 | 3271 | | | | |
| SacI | GAGCT!C | 1 | 621 | | | | |
| SacII | CCGC!GG | 1 | 653 | | | | |
| SalI | G!TCGAC | 1 | 640 | | | | |
| Sau3AI | !GATC | 24 | 586 | 610 | 661 | 723 | 904 |
| | | | 1324 | 1332 | 1412 | 2592 | 2596 |
| | | | 2615 | 2926 | 3004 | 3085 | 3094 |
| | | | 3172 | 3548 | 3564 | 3923 | 3935 |
| | | | 4013 | 4021 | 4032 | 4107 | |
| Sau96I | G!GNCC | 14 | 84 | 277 | 654 | 655 | 849 |
| | | | 1177 | 1250 | 1306 | 1862 | 3271 |
| | | | 3716 | 3762 | 3820 | 3853 | |
| SauI | CC!TNAGG | 3 | 945 | 2235 | 3867 | | |
| ScaI | AGT!ACT | 0 | | | | | |
| ScrFI | CC!NGG | 23 | 91 | 284 | 658 | 659 | 847 |
| | | | 857 | 959 | 1034 | 1088 | 1150 |
| | | | 2291 | 2346 | 2363 | 2759 | 2919 |
| | | | 3142 | 3532 | 3721 | 3824 | 4296 |
| | | | 4514 | 4527 | 4648 | | |
| SduI | GDGCH!C | 12 | 621 | 658 | 717 | 846 | 1946 |
| | | | 2701 | 2794 | 2868 | 3058 | 3120 |
| | | | 3830 | 4363 | | | |
| SecI | C!CNNGG | 24 | 361 | 650 | 657 | 845 | 855 |
| | | | 1008 | 1032 | 1087 | 1302 | 1369 |
| | | | 2289 | 2361 | 2484 | 2519 | 2528 |
| | | | 2577 | 2918 | 3187 | 3592 | 3719 |
| | | | 3720 | 3822 | 3823 | 4513 | |
| SexI | !CTCGAG | 2 | 613 | 1339 | | | |
| SfaNI | GCATCNNNNN! | 9 | 717 | 1053 | 1167 | 1571 | 2334 |
| | | | 2406 | 3054 | 3118 | 3393 | |
| SfaNI | !NNNNNNNNNGATGC | 6 | 358 | 775 | 2713 | 2968 | 3184 |
| | | | 4576 | | | | |
| SfcI | C!TRYAG | 4 | 635 | 2090 | 4217 | 4408 | |
| SfiI | GGCCNNNN!NGGCC | 2 | 1145 | 2530 | | | |
| SfuI | TT!CGAA | 2 | 628 | 3437 | | | |
| SgrAI | CR!CCGGYG | 0 | | | | | |
| SinI | G!GWCC | 4 | 1177 | 1306 | 3271 | 3716 | |
| SmaI | CCC!GGG | 1 | 659 | | | | |
| SnaBI | TAC!GTA | 1 | 341 | | | | |
| SnaI | !GTATAC | 0 | | | | | |
| SnoI | G!TGCAC | 1 | 4359 | | | | |
| SpeI | A!CTAGT | 0 | | | | | |
| SphI | GCATG!C | 3 | 2325 | 2397 | 3160 | | |
| SplI | C!GTACG | 0 | | | | | |
| SrfI | GCCC!GGGC | 0 | | | | | |
| Sse8387I | CCTGCA!GG | 0 | | | | | |
| SspI | AAT!ATT | 2 | 1663 | 2216 | | | |
| SstI | GAGCT!C | 1 | 621 | | | | |
| SstII | CCGC!GG | 1 | 653 | | | | |
| SstIII | !ACGT | 14 | 122 | 134 | 175 | 258 | 339 |
| | | | 444 | 1814 | 1826 | 1869 | 1979 |
| | | | 2870 | 3057 | 3838 | 3971 | |
| StuI | AGG!CCT | 1 | 2576 | | | | |

| | | | | | | | |
|-----------|--------------------|----|------|------|------|------|------|
| StyI | C!CWWGG | 6 | 361 | 1302 | 2484 | 2577 | 3187 |
| | | | 3592 | | | | |
| StySJI | !GAGNNNNNNNGTRC | 0 | | | | | |
| StySJI | !GYACNNNNNNNCTC | 0 | | | | | |
| SwaI | ATTT!AAAT | 0 | | | | | |
| TaqI | T!CGA | 19 | 615 | 628 | 641 | 726 | 978 |
| | | | 1020 | 1047 | 1341 | 1904 | 2595 |
| | | | 2868 | 3024 | 3048 | 3084 | 3246 |
| | | | 3437 | 3482 | 3737 | 4575 | |
| TaqII | GACCGANNNNNNNNNNN! | 3 | 1775 | 2792 | 3460 | | |
| TaqII | !NNNNNNNNNTCGGTC | 1 | 3704 | | | | |
| TaqII | CACCCANNNNNNNNNNN! | 2 | 1301 | 1382 | | | |
| TaqII | !NNNNNNNNNTGGGTG | 3 | 173 | 2659 | 3251 | | |
| TfiI | G!AWTC | 5 | 3240 | 3374 | 3484 | 3521 | 4699 |
| ThaI | CG!CG | 19 | 61 | 652 | 1003 | 1005 | 1323 |
| | | | 1404 | 1679 | 2055 | 2075 | 2099 |
| | | | 2130 | 2821 | 3122 | 3560 | 3644 |
| | | | 3707 | 3776 | 4049 | 4630 | |
| Tsp45I | !GTSAC | 4 | 1348 | 2044 | 2875 | 3181 | |
| TspEI | !AATT | 11 | 19 | 630 | 1505 | 1569 | 1647 |
| | | | 1673 | 1684 | 2331 | 2403 | 2495 |
| | | | 3913 | | | | |
| Tth111I | GACN!NNGTC | 1 | 2873 | | | | |
| Tth111II | CAARCANNNNNNNNNNN! | 1 | 4082 | | | | |
| Tth111III | !NNNNNNNNNTGYTTG | 3 | 3190 | 4050 | 4089 | | |
| TthHB8I | T!CGA | 19 | 615 | 628 | 641 | 726 | 978 |
| | | | 1020 | 1047 | 1341 | 1904 | 2595 |
| | | | 2868 | 3024 | 3048 | 3084 | 3246 |
| | | | 3437 | 3482 | 3737 | 4575 | |
| Van91I | CCANNNN!NTGG | 1 | 1375 | | | | |
| VspI | AT!TAAT | 1 | 8 | | | | |
| XbaI | T!CTAGA | 1 | 1409 | | | | |
| XcmI | !CCANNNNNNNNTCG | 2 | 1121 | 3030 | | | |
| XcyI | C!CCGGG | 1 | 657 | | | | |
| XhoI | C!TCGAG | 2 | 614 | 1340 | | | |
| XhoII | R!GATCY | 10 | 586 | 610 | 661 | 2926 | 3172 |
| | | | 3564 | 3923 | 3935 | 4021 | 4032 |
| XmaI | C!CCGGG | 1 | 657 | | | | |
| XmaIII | C!GGCCG | 2 | 1399 | 2661 | | | |
| XmnI | GAANN!NNTTC | 0 | | | | | |
| XorII | CGAT!CG | 0 | | | | | |