

General Description

DNA pRSET/CFP

Entire molecule length: 3600 bp

Restriction/Methylation Map

Enzyme	# of cuts	Positions
AccIII	1	1071
Acil	42	1 92(c) 428 469 536 575 670 713 826 886 889 991 1099 1161(c) 1175(c) 1178(c) 1206 1233 1631(c) 1678 1777(c) 1886(c) 1963(c) 2007 2128(c) 2174 2365(c) 2456(c) 2818 2827(c) 2962 3072(c) 3193(c) 3212(c) 3339(c) 3367(c) 3458 3479 3486 3529(c) 3553 3563
AcsI	3	198 1562 1573
Acyl	1	1982
AflIII	1	3410
AluI	20	230 263 335 368 584 632 743 917 938 972 1292 1549 2169 2232 2332 2853 3110 3156 3246 3472
Alw44I	2	1850 3096
AlwI	18	166 187(c) 190 200 704(c) 903 936(c) 1082 1883 1887(c) 2204 2667(c) 2668 2764(c) 2766 2852 3591(c) 3598
AlwNI	1	3001
AosI	2	1127 2299
ApaLI	2	1850 3096
ApoI	3	198 1562 1573
Asel	3	9 2347 3582
AsnI	3	9 2347 3582
Asp700	1	1922
AspEI	1	2522
AspHI	4	819 1854 1939 3100
AvaI	1	930
Avall	3	866 2158 2380
Avill	2	1127 2299
BamHI	1	192
BanI	3	245 1338 2569

BanII	1	1308
BbvI	19	355(c) 461 745 752 778(c) 781(c) 935(c) 968(c) 971(c) 1140 1209 2088(c) 2479 2782(c) 2988(c) 2991(c) 3081 3500 3518
Bcgl	3	135(c) 334 1984(c)
Bfal	7	49 127 1005 1226 2329 2664 2917
BglI	2	1137 2404
BmyI	8	250 379 628 819 1308 1854 1939 3100
Bpml	3	654 894 2453
Bpu1102I	1	994
BsaAI	1	1379
BsaBI	3	181 191 3595
BsaHI	1	1982
Bsal	2	23(c) 2456
BsaJI	9	208 238 378 406 541 565 620 1016 3250
BsaWI	4	1071 2226 3057 3204
BseAI	1	1071
BsgI	3	338(c) 435 759
BsiEI	5	1108 2004 2153 3076 3500
BsiHKAI	4	819 1854 1939 3100
BsiYI	13	379 406 407 542 892 1030 1160 1486 2932 3211 3377 3395 3569
BsII	13	379 406 407 542 892 1030 1160 1486 2932 3211 3377 3395 3569
BsmAI	3	23(c) 1680(c) 2456
BsmFI	1	1160
Bsp1286I	8	250 379 628 819 1308 1854 1939 3100
BspDI	1	185
BspEI	1	1071
BspHI	2	1682 2690
BspWI	20	301 361 374 418 427 957 978 990 1107 1137 1170 1172 1214 1241 1271 2404 2792 3364 3478 3545
BsrBI	3	1235(c) 1680(c) 3481(c)

BsrDI	2	2288 2462(c)
BsrFI	3	360 1274 2437
BsrGI	1	919
BsrI	11	140 821(c) 1468 1877 2047(c) 2316 2359 2477 2883 2995(c) 3008(c)
BstNI	9	255 380 407 492 567 621 3251 3264 3385
BstUI	14	3 538 856 1151 1175 1195 1571 1631 1963 2456 2786 3367 3565 3567
BstYI	11	158 192 709 1074 1875 1892 2660 2672 2758 2769 3590
CellI	1	994
CfoI	21	540 856 1128 1153 1166 1175 1197 1223 1231 1631 1963 2300 2393 2786 2895 3069 3169 3236 3506 3539 3567
Cfr10I	3	360 1274 2437
Clal	1	185
Csp6I	5	164 499 638 920 2040
DdeI	8	813 831 973 994 2021 2561 2727 3136
DpnI	24	160 184 194 711 859 897 943 1076 1107 1841 1877 1894 2152 2198 2216 2557 2662 2674 2752 2760 2771 2846 3592 3598
DpnII	24	158 182 192 709 857 895 941 1074 1105 1839 1875 1892 2150 2196 2214 2555 2660 2672 2750 2758 2769 2844 3590 3596
DraI	3	1944 2636 2655
DraII	1	1021
DraIII	1	1382
DrdI	2	1426 3308
DsaI	1	208
DsaV	14	237 253 378 405 490 565 619 891 1984 2335 3031 3249

		3262 3383
EaeI	3	281 2129 3571
Eam1105I	1	2522
EarI	3	1086(c) 1723(c) 3527(c)
Eco57I	5	363 407(c) 606 1856 2868(c)
EcoO109I	1	1021
EcoRI	1	198
EcoRII	9	253 378 405 490 565 619 3249 3262 3383
Espl	1	994
Fnu4HI	29	369 428 450 734 741 792 795 889 949 982 985 1129 1162 1176 1198 1778 2007 2102 2129 2468 2796 3002 3005 3070 3213 3368 3486 3489 3507
FnuDII	14	3 538 856 1151 1175 1195 1571 1631 1963 2456 2786 3367 3565 3567
FokI	5	237(c) 603(c) 2083 2370 2551
Fspl	2	1127 2299
HaeII	4	1224 1232 3170 3540
HaeIII	16	283 383 699 784 1023 1097 1387 1529 2131 2398 2478 2936 3370 3388 3399 3573
HgaI	4	1157 1990 2720(c) 3298(c)
HgiAI	4	819 1854 1939 3100
HhaI	21	540 856 1128 1153 1166 1175 1197 1223 1231 1631 1963 2300 2393 2786 2895 3069 3169 3236 3506 3539 3567
HinP1I	21	538 854 1126 1151 1164 1173 1195 1221 1229 1629 1961 2298 2391 2784 2893 3067 3167 3234 3504 3537 3565
HindIII	1	936
Hinfl	8	16 1427 1449 2523 3040 3436 3511

		3576
HpaII	16	238 301 361 892 945 1072 1275 1985 2227 2337 2404 2438 2842 3032 3058 3205
HphI	11	224 227(c) 557 581 659(c) 1379 1795(c) 1830 2036(c) 2452 2679
ItaI	29	369 428 450 734 741 792 795 889 949 982 985 1129 1162 1176 1198 1778 2007 2102 2129 2468 2796 3002 3005 3070 3213 3368 3486 3489 3507
Ksp632I	3	1086(c) 1723(c) 3527(c)
MaeI	7	49 127 1005 1226 2329 2664 2917
MaeII	10	274 487 658 1268 1378 1421 1433 1920 2293 2709
MaeIII	13	392 881 925 1189 1201 1861 2049 2202 2260 2591 2874 2990 3053
MamI	3	181 191 3595
MboI	24	158 182 192 709 857 895 941 1074 1105 1839 1875 1892 2150 2196 2214 2555 2660 2672 2750 2758 2769 2844 3590 3596
MboII	13	452(c) 497(c) 500(c) 695 1103 1240(c) 1740 1849 1927 2682 2753(c) 2905(c) 3544
McrI	5	1108 2004 2153 3076 3500
MnII	23	56 218(c) 299(c) 305(c) 399 536(c) 548(c) 599(c) 719(c) 1033(c) 1034 1053(c) 1087(c) 1352 2149(c) 2355(c) 2502 2583 2983 3233(c) 3307 3516(c) 3566
MroI	1	1071
MseI	19	9 65 71 1169 1440 1538 1555 1566

		1578 1589 1943 2308 2347 2582 2635 2649 2654 2706 3582
MslI	8	115 210 240 390 567 1751 2110 2269
MspA1I	4	993 1886 2827 3072
MspI	16	238 301 361 892 945 1072 1275 1985 2227 2337 2404 2438 2842 3032 3058 3205
MvaI	9	255 380 407 492 567 621 3251 3264 3385
MvnI	14	3 538 856 1151 1175 1195 1571 1631 1963 2456 2786 3367 3565 3567
MwoI	20	301 361 374 418 427 957 978 990 1107 1137 1170 1172 1214 1241 1271 2404 2792 3364 3478 3545
NaeI	1	1276
NciI	5	239 893 1986 2337 3033
NcoI	1	208
NdeI	1	88
NdeII	24	158 182 192 709 857 895 941 1074 1105 1839 1875 1892 2150 2196 2214 2555 2660 2672 2750 2758 2769 2844 3590 3596
NgoMI	1	1274
NheI	1	126
NlaIII	14	120 134 212 446 476 866 911 1686 2079 2115 2193 2203 2694 3414
NlaIV	14	194 247 785 1022 1307 1319 1340 1635 2225 2436 2477 2571 3343 3382
NspI	1	3414
PaeR7I	1	930
PleI	6	10(c) 1435 1443(c) 2531 3034(c) 3519
Psp1406I	2	1920 2293
PvuI	2	1108 2153
RcaI	2	1682 2690

RsaI	5	165 500 639 921 2041
SapI	1	3527(c)
Sau3AI	24	158 182 192 709 857 895 941 1074 1105 1839 1875 1892 2150 2196 2214 2555 2660 2672 2750 2758 2769 2844 3590 3596
Sau96I	11	382 698 783 866 1021 1096 1385 2158 2380 2397 2476
Scal	1	2041
ScrFI	14	239 255 380 407 492 567 621 893 1986 2337 3033 3251 3264 3385
SfaNI	8	308(c) 586 601 700 1821(c) 2070 2261(c) 3313(c)
Sfcl	5	22 1156 2276 2954 3145
Snol	2	1850 3096
SspBI	1	919
Sspl	2	1587 1717
Styl	2	208 1016
TaqI	11	185 259 553 580 595 724 931 1344 1868 3312 3595
Tfil	2	3436 3576
Thal	14	3 538 856 1151 1175 1195 1571 1631 1963 2456 2786 3367 3565 3567
Tru9I	19	9 65 71 1169 1440 1538 1555 1566 1578 1589 1943 2308 2347 2582 2635 2649 2654 2706 3582
Tsp509I	9	6 56 198 1562 1573 1599 2089 2344 2650
XbaI	1	48
XhoI	1	930
XhoII	11	158 192 709 1074 1875 1892 2660 2672 2758 2769 3590
Xmnl	1	1922

No cuts: AatI, AatII, Acc65I, AccI, AflII, AgeI, ApaI, AscI, Asp718, AspI, AsuII, AvrII, BbrPI, BbsI, BclI, BfrI, BglII, BlnI, BpuAI, BsiWI, BsmI, Bsp120I, BspMI, BssHII, Bst1107I, BstBI, BstEII, BstXI, Bsu36I, Csp45I, EagI, Ecl136II, EclXI, Eco47III, EcoNI, EcoRV, Esp3I, HincII, HindII, HpaI, KasI, KpnI, KspI, MfeI, MluI, MluNI, MscI, MunI, NarI, NotI, NruI, NsiI, NspV, PacI, PflMI, PinAI, PmaCI, PmeI, PmlI, Ppu10I, PpuMI, PstI, PvuII, RsrII, SacI, SacII, SalI, SexAI, SfiI, SfuI, SgrAI, SmaI, SnaBI, SpeI, SphI, StuI, SwaI, Tth111I, Van9II, XcmI, XmaI, XmaIII