



General Description

DNA pPICZ B

Entire molecule length: 3328 bp

Restriction Map

Enzyme	# of cuts	Positions
AatI	1	2303
AatII	1	1945
Acc65I	1	977
AccI	1	1051
Acil	25	321 657 988 990(c) 993(c) 997 1411(c) 1482 1599 1828(c) 1933 1953(c) 2052(c) 2104(c) 2207(c) 2285(c) 2387 2645 2673 2800 2819 2940 3050(c) 3185 3194(c)
AcsI	6	747 944 1527 1637 1664 2486
Acyl	2	1942 2161
AflIII	3	2273 2511 2600
AgeI	1	1132
AluI	14	207 318 798 838 875 1003 1271 1298 1432 2117 2589 2768 2904 3161
Alw44I	3	623 2244 2914
AlwI	8	980 1042 1408(c) 1421 2305(c) 3161(c) 3247(c) 3249
AlwNI	1	3016
ApaLI	3	623 2244 2914
ApoI	6	747 944 1527 1637 1664 2486
Asel	2	583 1841
AsnI	2	583 1841
Asp718	1	977
AspHI	5	209 627 1930 2248 2918
AsuII	1	934
AvaI	3	982 1977 1987
Avall	8	61 132 1966 2021 2054 2060 2295 2430
BamHI	1	1413
BanI	2	977 2069
BanII	1	209
BbrPI	1	951
BbsI	2	1135 1720(c)
BbvI	8	122 785(c) 1307

		2207 2929(c) 3019 3022 3228
BclI	2	741 1280
BfaI	6	107 1008 1142 1548 2427 3095
BglI	4	279 961 993 2204
BglII	1	2
BmyI	6	209 627 1120 1930 2248 2918
Bpml	2	327(c) 2611
Bpu1102I	1	589
BpuAI	2	1135 1720(c)
BsaAI	1	951
BsaBI	2	1149 1305
BsaHI	2	1942 2161
BsaI	3	1390(c) 1589(c) 2587(c)
BsaJI	13	277 618 988 1897 1987 2083 2089 2199 2257 2290 2298 2304 2760
BsaWI	4	1132 1922 2806 2953
BsiEI	6	965 997 1957 1973 2233 2940
BsiHKA I	5	209 627 1930 2248 2918
BsiWI	1	1264
BsiYI	14	191 283 350 525 663 2063 2089 2090 2095 2305 2622 2640 2806 3085
BsII	14	191 283 350 525 663 2063 2089 2090 2095 2305 2622 2640 2806 3085
BsmAI	6	603 686 972 1390(c) 1589(c) 2587(c)
BsmFI	7	2004 2040 2172 2281(c) 2301(c) 2416(c) 2576
Bsml	3	313 568 1173
Bsp1286I	6	209 627 1120 1930 2248 2918
BspHI	2	738 3320
BspWI	9	279 961 993 996 1292 1934 2204 2653 3225
BsrBI	2	1953 2389(c)
BsrFI	6	960 1132 1972 2013 2171 2232
BsrGI	1	2504
BsrI	7	185(c) 497(c) 862 1912(c) 3008 3021

		3133(c)
BssHII	1	1935
BstBI	1	934
BstNI	11	270 279 2058 2064 2085 2090 2109 2300 2628 2749 2762
BstUI	11	990 1484 1935 1937 1939 2052 2104 2224 2513 2647 3228
BstXI	1	707
BstYI	6	2 1034 1413 2310 3241 3252
CelII	1	589
CfoI	13	595 1047 1486 1937 1939 2052 2104 2224 2780 2847 2947 3121 3230
Cfr10I	6	960 1132 1972 2013 2171 2232
Csp45I	1	934
Csp6I	8	978 1265 1380 1494 1569 2120 2505 2517
DdeI	10	359 468 589 1025 1086 1103 1180 1821 2875 3284
DpnI	15	4 451 743 914 974 1036 1282 1415 2187 2312 3168 3243 3254 3262 3327
DpnII	15	2 449 741 912 972 1034 1280 1413 2185 2310 3166 3241 3252 3260 3325
DraI	1	414
DraII	3	132 2295 2430
DraIII	1	2252
DrdI	2	2274 2708
DsaI	4	988 1897 2199 2290
DsaV	19	268 277 618 1986 1987 2023 2056 2062 2083 2088 2107 2155 2166 2227 2298 2626 2747 2760 2978
EaeI	7	494 962 994 1900 2173 2230 2254
EagI	3	962 994 2230
EarI	4	150 1024(c) 1377 1466

Ecl136II	1	207
EclXI	3	962 994 2230
Eco57I	3	1358(c) 2441 3148
EcoO109I	3	132 2295 2430
EcoRI	1	944
EcoRII	11	268 277 2056 2062 2083 2088 2107 2298 2626 2747 2760
EcoRV	1	2337
Esp3I	1	972
Espl	1	589
Fnu4HI	16	111 799 988 991 994 997 1296 2105 2196 2286 2645 2800 2943 3008 3011 3217
FnuDII	11	990 1484 1935 1937 1939 2052 2104 2224 2513 2647 3228
FokI	7	32(c) 39(c) 441(c) 679 1172 2370(c) 3324(c)
HaeII	2	1048 2848
HaeIII	19	273 397 496 955 964 996 1902 2088 2107 2171 2175 2232 2256 2288 2303 2615 2626 2644 3078
HgaI	5	2169 2519 2573 2711 3289
HgiAI	5	209 627 1930 2248 2918
HhaI	13	595 1047 1486 1937 1939 2052 2104 2224 2780 2847 2947 3121 3230
HinP1I	13	593 1045 1484 1935 1937 2050 2102 2222 2778 2845 2945 3119 3228
HincII	3	1052 1835 1909
HindII	3	1052 1835 1909
HindIII	1	873
Hinfl	4	704 1145 1478 2971
HpaII	19	620 961 1133 1923 1948 1973 1988 2014 2024 2073 2156 2167 2172 2229 2233 2807 2954 2980 3170
HphI	2	1895 1922(c)

Ital	16	111 799 988 991 994 997 1296 2105 2196 2286 2645 2800 2943 3008 3011 3217
Kpnl	1	981
Ksp632l	4	150 1024(c) 1377 1466
Kspl	1	991
Mael	6	107 1008 1142 1548 2427 3095
Maell	8	734 950 1648 1942 2032 2275 2470 3303
Maelll	8	1218 1694 2033 2354 2524 2956 3019 3135
Maml	2	1149 1305
Mbol	15	2 449 741 912 972 1034 1280 1413 2185 2310 3166 3241 3252 3260 3325
Mboll	12	137(c) 922 1041 1140 1250(c) 1364(c) 1397 1453(c) 1533(c) 1607(c) 1720(c) 3262
Mcrl	6	965 997 1957 1973 2233 2940
Mfel	1	865
MIul	1	2511
MIuNI	1	1902
Mnll	26	89(c) 145 153 161 277(c) 343(c) 934(c) 991 1025(c) 1112 1150(c) 1380 1545 1555 1612 1709 1879(c) 1994(c) 2129(c) 2174 2252(c) 2314 2384 2708(c) 2782 3032(c)
MscI	1	1902
Msel	14	413 583 751 809 885 895 1390 1559 1712 1717 1841 2464 2578 3306
MslI	1	77
MspA1I	4	990 1298 2942 3187
Mspl	19	620 961 1133 1923 1948 1973 1988 2014 2024 2073 2156 2167 2172 2229 2233 2807 2954 2980 3170

MunI	1	865
MvaI	11	270 279 2058 2064 2085 2090 2109 2300 2628 2749 2762
MvnI	11	990 1484 1935 1937 1939 2052 2104 2224 2513 2647 3228
MwoI	9	279 961 993 996 1292 1934 2204 2653 3225
NaeI	3	962 2173 2234
NciI	8	620 1988 1989 2025 2157 2168 2229 2980
NcoI	1	1897
NdeII	15	2 449 741 912 972 1034 1280 1413 2185 2310 3166 3241 3252 3260 3325
NgoMI	3	960 2171 2232
NlaIII	11	249 293 385 742 1095 1901 2180 2343 2525 2604 3324
NlaIV	11	274 429 862 979 1415 2071 2296 2297 2432 2632 2671
NotI	1	994
NsiI	1	678
NspI	2	2525 2604
NspV	1	934
PaeR7I	1	982
PfiMI	1	191
PinAI	1	1132
PleI	2	1472(c) 2979
PmaCI	1	951
PmeI	1	414
PmlI	1	951
Ppu10I	1	674
PpuMI	3	132 2295 2430
Psp1406I	2	734 2470
PvuII	1	1298
RcaI	2	738 3320
RsaI	8	979 1266 1381 1495 1570 2121 2506 2518
SacI	1	209
SacII	1	991
Sall	1	1050
Sau3AI	15	2 449 741 912 972

		1034 1280 1413 2185 2310 3166 3241 3252 3260 3325
Sau96I	13	61 132 272 396 954 1966 2021 2054 2060 2169 2287 2295 2430
ScrFI	19	270 279 620 1988 1989 2025 2058 2064 2085 2090 2109 2157 2168 2229 2300 2628 2749 2762 2980
SexAI	1	2062
SfaNI	3	1176(c) 1495 2697
Sfcl	2	2865 3056
Sfil	1	961
Sful	1	934
SgrAI	1	2013
SmaI	1	1989
Snol	3	623 2244 2914
SspBI	1	2504
StuI	1	2303
StyI	1	1897
TaqI	10	172 934 983 1051 1337 1621 1957 2333 2569 2700
Tfil	2	704 1145
Thal	11	990 1484 1935 1937 1939 2052 2104 2224 2513 2647 3228
Tru9I	14	413 583 751 809 885 895 1390 1559 1712 1717 1841 2464 2578 3306
Tsp509I	15	219 747 849 865 927 944 1527 1560 1637 1664 1732 1838 2344 2486 2579
Van91I	1	191
XbaI	1	1007
XcmI	1	707
XhoI	1	982
XhoII	6	2 1034 1413 2310 3241 3252
XmaI	1	1987
XmaIII	3	962 994 2230

No cuts: AccIII, AflIII, AoiI, ApaI, AscI, Asp700, AspEI, AspI, AviII, AvrII, BcgI, BfrI, BlnI, BseAI, BsgI, Bsp120I, BspDI, BspEI, BspMI, BsrDI, Bst1107I, BstEII, Bsu36I, ClaI, Eam1105I, Eco47III, EcoNI, FspI, HpaI, KasI, MroI, NarI, NdeI, NheI, NruI, PacI, PstI, PvuI, RsrII, SapI, Scal, SnaBI, SpeI, SphI, SspI, SwaI, Tth111I, XmnI