

pCop-Green-YB vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	1	49
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	2	1926; 2339
AatI	AGG!CCT	0	
AatII	GACGT!C	1	4046
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	2003
AccII	CG!CG	9	837; 1832; 1834; 1937; 2278; 2859; 3189; 3682; 4014
AccIII	T!CCGGA	1	1209
Acc16I	TGC!GCA	1	3346
Acc36I	ACCTGCNNNN!	0	
Acc36I	!NNNNNNNNGCAGGT	0	
Acc65I	G!GTACC	1	145
AccB1I	G!GYRCC	3	145; 1679; 3072
AccB7I	CCANNNN!NTGG	1	1445
AccBSI	CCG!CTC	1	1816
AccBSI	GAG!CGG	4	36; 68; 2164; 3965
AceIII	CAGCTCNNNNNNN!	3	1883; 2183; 3423
AceIII	!NNNNNNNNNNNGAGCTG	3	146; 1228; 1810
Acil	C!CGC	23	131; 835; 929; 1191; 1555; 1811; 1814; 2071; 2097; 2114; 2276; 2304; 2431; 2450; 2571; 2816; 3187; 3278; 3515; 3680; 3757; 3866; 4012
Acil	G!CGG	18	36; 68; 837; 1649; 1904; 1943; 1953; 1995; 2020; 2058; 2157; 2164; 2185; 2681; 2825; 3469; 3636; 3965
AcII	AA!CGTT	3	1300; 3350; 3723
AcIWI	GGATCNNNN!	4	129; 2880; 2977; 3757
AcIWI	!NNNNNGATCC	7	122; 870; 2792; 2878; 2976; 3440; 3761
AcoI	Y!GGCCR	2	1478; 3512
AcsI	R!AATTY	3	17; 217; 1213
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	1	2779
AcuI	!NNNNNNNNNNNNNNNCTTCAG	1	3791
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	2	3661; 4043
AdeI	CACNNN!GTG	0	
AfaI	GT!AC	9	147; 201; 246; 357; 519; 1092; 1630; 2039; 3604
AfeI	AGC!GCT	0	
AfiI	CCNNNNN!NNGG	7	256; 1445; 1882; 2253; 2271; 2437; 2716
AfiII	C!TTAAG	0	
AfiIII	A!CRYGT	1	2231
AgeI	A!CCGGT	0	
AgsI	TTS!AA	14	59; 184; 207; 217; 223; 430; 583; 757; 793; 2700; 3902; 3925; 3935; 3979
AhdI	GACNNN!NNGTC	1	3124
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	6	1388; 1444; 1692; 2257; 2378; 2391
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	0	
AlfI	GCANNNNNTGCNNNNNNNNNNNN!	0	
AlfI	!NNNNNNNNNNGCANNNNNNNTGC	0	
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AloI	!NNNNNNNGGANNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNNNTCC	0	
AluI	AG!CT	25	141; 160; 172; 484; 843; 852; 857; 961; 965; 985; 994; 1113; 1242; 1713; 1824; 1873; 1892; 2173; 2399; 2535; 2792; 3112; 3313; 3413; 3476
AluBI	AG!CT	25	141; 160; 172; 484; 843; 852; 857; 961; 965; 985; 994; 1113; 1242; 1713; 1824; 1873; 1892; 2173; 2399; 2535; 2792; 3112; 3313; 3413; 3476
AlwI	GGATCNNNN!	4	129; 2880; 2977; 3757
AlwI	!NNNNNGATCC	7	122; 870; 2792; 2878; 2976; 3440; 3761
Alw21I	GWGCW!C	5	143; 2051; 2549; 3710; 3795
Alw26I	GTCTCN!	3	326; 1437; 3961
Alw26I	!NNNNNGAGAC	2	1874; 3185
Alw44I	G!TGCAC	3	2047; 2545; 3791
AlwNI	CAGNNN!CTG	1	2647
Ama87I	C!YCGRG	2	1; 150
Aor13HI	T!CCGGA	1	1209
Aor51HI	AGC!GCT	0	
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	1	2056
ApaLI	G!TGCAC	3	2047; 2545; 3791
ApeKI	G!CWGC	13	160; 1824; 1870; 1967; 2136; 2154; 2573; 2638; 2641; 2847; 3112; 3175; 3541
ApoI	R!AATTY	3	17; 217; 1213
ApyPI	ATCGACNNNNNNNNNNNNNNNNNNNN!	1	2355
ApyPI	!NNNNNNNNNNNNNNNNNNNGTCGAT	0	
AquII	GCCGNACNNNNNNNNNNNNNNNNNNNN!	0	
AquII	!NNNNNNNNNNNNNNNNNNNGTNCGGC	0	
AquIII	GAGGAGNNNNNNNNNNNNNNNNNNNNNN!	1	125
AquIII	!NNNNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNNNCTCCYC	1	2099
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	1	1512
ArsI	!NNNNNNCRAANNNNNNNGTC	1	714
ArsI	CRAANNNNNNNGTCNNNNNNNNNNNNNN!	1	746
ArsI	!NNNNNNNNNGACNNNNNNNTTYG	1	1480
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	2	398; 3296
Asi256I	G!ATC	17	122; 128; 566; 876; 2798; 2873; 2884; 2892; 2970; 2982; 3087; 3428; 3446; 3492; 3750; 3767; 3803
AsiGI	A!CCGGT	0	
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	1978
Asp700I	GAANN!NNTTC	2	636; 3723
Asp718I	G!GTACC	1	145
AspA2I	C!CTAGG	0	
AspEI	GACNNN!NNGTC	1	3124
AspLEI	GCG!C	14	1834; 1937; 1967; 2108; 2141; 2411; 2478; 2578; 2752; 2861; 3254; 3347; 3684; 4016
AspS9I	G!GNCC	7	730; 1755; 3166; 3245; 3262; 3484; 4100
AssI	AGT!ACT	2	1630; 3604
AsuII	TT!CGAA	0	
AsuC2I	CC!SGG	8	151; 152; 933; 1877; 1912; 2611; 3307; 3658
AsuHPI	GGTGANNNNNNNN!	10	250; 613; 960; 1249; 1393; 1461; 1795; 1853; 3610; 3851
AsuHPI	!NNNNNNNTCACC	7	1255; 1449; 1503; 2967; 3194; 3816; 4105
AsuNHI	G!CTAGC	1	961
AvaI	C!YCGRG	2	1; 150
AvaII	G!GWCC	3	730; 3262; 3484
AviII	TGC!GCA	1	3346
AvrII	C!CTAGG	0	
AxyI	CC!TNAGG	0	
BaeI	ACNNNNGTAYCNNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNNACNNNNGTAYC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BaeGI	GKGCMI C	4	1684; 2051; 2549; 3795
BalI	TGG!CCA	1	1480
BamHI	G!GATCC	1	127
BanI	G!GYRCC	3	145; 1679; 3072
BanII	GRGCY!C	1	143
BanIII	AT!CGAT	0	
BarI	GAAGNNNNNTACNNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNNNTAC	0	
BasI	CCANNNN!NTGG	1	1445
BauI	C!ACGAG	1	4095
BauI	C!TCGTG	2	2404; 3788
BbeI	GGCGC!C	0	
Bbr7I	GAAGACNNNNNNN!	0	
Bbr7I	!NNNNNNNNNNNGTCTTC	1	4097
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	0	
BbsI	!NNNNNNGTCTTC	1	4102
BbuI	GCATG!C	2	137; 394
BbvI	GCAGCNNNNNNNN!	5	1882; 1979; 2650; 2859; 3553
BbvI	!NNNNNNNNNNNGCTGC	7	147; 1811; 2123; 2141; 2560; 3099; 3162
Bbv12I	GWGCW!C	5	143; 2051; 2549; 3710; 3795
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	6	372; 717; 907; 3168; 3292; 3579
BccI	!NNNNNGATGG	3	436; 643; 1582
BceAI	ACGGCNNNNNNNNNNN!	2	1139; 2733
BceAI	!NNNNNNNNNNNGCCGT	1	1564
BceI	ACGGCNNNNNNNNNNN!	2	1139; 2733
BceI	!NNNNNNNNNNNGCCGT	1	1565
BcgI	CGANNNNNNTGCNNNNNNNNNNN!	1	3663
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	GANNNNNNNTCGNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNNNTGC	1	3629
BciVI	GTATCCNNNNNN!	0	
BciVI	!NNNNNGGATAC	2	2434; 3961
BclI	T!GATCA	0	
BcnI	CC!SGG	8	151; 152; 933; 1877; 1912; 2611; 3307; 3658
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNNTCANNNNNNNNNNN!	2	1088; 2336
BdaI	!NNNNNNNNNNNTGANNNNNNNTCA	2	1054; 2302
BfaI	C!TAG	8	422; 629; 962; 1710; 1819; 2726; 2979; 3314
BfiI	ACTGGGNNNNN!	1	1762
BfiI	!NNNNCCCAGT	2	1972; 3164
BfmI	C!TRYAG	3	2496; 2687; 3365
BfoI	RGCGC!Y	2	2109; 2479
BfrI	C!TTAAG	0	
BfuI	GTATCCNNNNNN!	0	
BfuI	!NNNNNGGATAC	2	2434; 3961
BfuAI	ACCTGCNNNN!	0	
BfuAI	!NNNNNNNNNGCAGGT	0	
BfuCI	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
BglI	GCCNNNN!NGGC	1	3244
BglII	A!GATCT	1	565
BisI	GC!NGC	23	161; 929; 1555; 1814; 1825; 1871; 1968; 2021; 2137; 2155; 2158; 2276; 2431; 2574; 2639; 2642; 2848; 3113; 3176; 3515; 3542; 3637; 3866
BlnI	C!CTAGG	0	
BlpI	GC!TNAGC	1	853
BlsI	GCN!GC	23	162; 930; 1556; 1815; 1826; 1872; 1969; 2022; 2138; 2156; 2159; 2277; 2432; 2575; 2640; 2643; 2849; 3114; 3177; 3516; 3543; 3638; 3867
BmcAI	AGT!ACT	2	1630; 3604

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Bme18I	G!GWCC	3	730; 3262; 3484
Bme1390I	CC!NGG	14	151; 152; 933; 1390; 1446; 1694; 1877; 1912; 2259; 2380; 2393; 2611; 3307; 3658
BmeRI	GACNNN!NNGTC	1	3124
BmeT110I	C!YCGRG	2	1; 150
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	7	731; 1756; 3167; 3246; 3263; 3485; 4101
BmiI	GGN!NCC	10	129; 147; 1681; 2263; 2302; 3074; 3168; 3209; 3420; 4010
BmrI	ACTGGGNNNNN!	1	1762
BmrI	!NNNNCCCAGT	2	1972; 3164
BmrFI	CC!NGG	14	151; 152; 933; 1390; 1446; 1694; 1877; 1912; 2259; 2380; 2393; 2611; 3307; 3658
BmsI	GCATCNNNNN!	8	600; 1056; 1729; 2032; 2108; 2328; 3380; 3820
BmsI	!NNNNNNNNNGATGC	5	155; 1541; 1897; 2068; 3571
BmtI	GCTAG!C	1	965
BmuI	ACTGGGNNNNN!	1	1762
BmuI	!NNNNCCCAGT	2	1972; 3164
BoxI	GACNN!NNGTC	0	
BpiI	GAAGACNN!	0	
BpiI	!NNNNNNGTCTTC	1	4102
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	0	
BpI	!NNNNNNNNGAGNNNNNCTC	0	
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	1335
BpmI	!NNNNNNNNNNNNNNNCTCCAG	2	233; 3194
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	986
Bpu14I	TT!CGAA	0	
Bpu1102I	GC!TNAGC	1	853
BpuAI	GAAGACNN!	0	
BpuAI	!NNNNNNGTCTTC	1	4102
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	1735; 2620
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	3	2322; 2861; 3729
BpuMI	CC!SGG	8	151; 152; 933; 1877; 1912; 2611; 3307; 3658
BpvUI	CGAT!CG	1	3494
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	1	3185
Bsa29I	AT!CGAT	0	
BsaAI	YAC!GTR	1	1985
BsaBI	GATNN!NNATC	1	126
BsaHI	GR!CGYC	2	3661; 4043
BsaJI	C!CNNGG	7	149; 835; 1444; 1445; 1514; 1693; 2391
BsaMI	GAATGCN!	2	1206; 1613
BsaMI	G!CATTC	1	765
BsaWI	W!CCGGW	4	1209; 2437; 2584; 3415
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	321
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNNGTNNNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	291
BsbI	CAACACNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTTG	2	192; 1927
Bsc4I	CCNNNNN!NNGG	7	256; 1445; 1882; 2253; 2271; 2437; 2716
BscAI	GCATCNNNN!	8	599; 1055; 1728; 2031; 2107; 2327; 3379; 3819
BscAI	!NNNNNNGATGC	5	158; 1544; 1900; 2071; 3574
Bse1I	ACTGGN!	8	201; 525; 1020; 1757; 2011; 2639; 2652; 3600
Bse1I	C!CAGT	8	879; 1460; 1978; 2764; 3170; 3288; 3331; 3770
Bse8I	GATNN!NNATC	1	126
Bse21I	CC!TNAGG	0	
Bse118I	R!CCGGY	1	3204
BseAI	T!CCGGA	1	1209
BseBI	CC!WGG	6	1390; 1446; 1694; 2259; 2380; 2393
BseCI	AT!CGAT	0	
BseDI	C!CNNGG	7	149; 835; 1444; 1445; 1514; 1693; 2391
Bse3DI	GCAATGNN!	2	1232; 3185
Bse3DI	!CATTGC	1	3359

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BseGI	GGATGNN!	1	1912
BseGI	!CATCC	6	591; 705; 1206; 3103; 3284; 3571
BseJI	GATNN!NNATC	1	126
BseLI	CCNNNNN!NNGG	7	256; 1445; 1882; 2253; 2271; 2437; 2716
BseMI	GCAATGNN!	2	1232; 3185
BseMI	!CATTGC	1	3359
BseMII	CTCAGNNNNNNNNNN!	6	904; 1448; 1754; 2520; 2929; 3095
BseMII	!NNNNNNNNCTGAG	4	844; 1787; 2032; 3612
BseNI	ACTGGN!	8	201; 525; 1020; 1757; 2011; 2639; 2652; 3600
BseNI	C!CAGT	8	879; 1460; 1978; 2764; 3170; 3288; 3331; 3770
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	1	115
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCN!C	4	1684; 2051; 2549; 3795
BseXI	GCAGCNNNNNNNN!	5	1882; 1979; 2650; 2859; 3553
BseXI	!NNNNNNNNNNNGCTGC	7	147; 1811; 2123; 2141; 2560; 3099; 3162
BseX3I	C!GGCCG	0	
BseYI	C!CCAGC	0	
BseYI	G!CTGGG	1	2535
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	9	837; 1832; 1834; 1937; 2278; 2859; 3189; 3682; 4014
Bsh1285I	CGRY!CG	3	2571; 3494; 3643
BshFI	GG!CC	13	1126; 1171; 1393; 1480; 1757; 2246; 2257; 2275; 2709; 3167; 3247; 3514; 4101
BshNI	G!GYRCC	3	145; 1679; 3072
BshTI	A!CCGGT	0	
BshVI	AT!CGAT	0	
BsiEI	CGRY!CG	3	2571; 3494; 3643
BsiHKAi	GWGCW!C	5	143; 2051; 2549; 3710; 3795
BsiHKCI	C!YCGRG	2	1; 150
BsiSI	C!CGG	16	151; 932; 1168; 1210; 1338; 1877; 1911; 2438; 2585; 2611; 2801; 3205; 3239; 3306; 3416; 3658
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	7	256; 1445; 1882; 2253; 2271; 2437; 2716
BsIFI	GGGACNNNNNNNNNN!	0	
BsIFI	!NNNNNNNNNNNNNGTCCC	0	
BsmI	GAATGCN!	2	1206; 1613
BsmI	G!CATTC	1	765
BsmAI	GTCTCN!	3	326; 1437; 3961
BsmAI	!NNNNNGAGAC	2	1874; 3185
BsmBI	CGTCTCN!	1	1437
BsmBI	!NNNNNGAGACG	1	1874
BsmFI	GGGACNNNNNNNNNN!	0	
BsmFI	!NNNNNNNNNNNNNGTCCC	0	
BsnI	GG!CC	13	1126; 1171; 1393; 1480; 1757; 2246; 2257; 2275; 2709; 3167; 3247; 3514; 4101
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	1	3185
BsoBI	C!YCGRG	2	1; 150
Bsp13I	T!CCGGA	1	1209
Bsp19I	C!CATGG	1	1514
Bsp24I	GACNNNNNTGGNNNNNNNNNNNN!	2	2756; 2934
Bsp24I	!NNNNNNCCANNNNNNNGTC	1	4028
Bsp24I	CCANNNNNGTCNNNNNNNNNNNN!	1	4060
Bsp24I	!NNNNNNNGACNNNNNNNTGG	2	2724; 2902
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	0	
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
Bsp1286I	GDGCH!C	6	143; 1684; 2051; 2549; 3710; 3795
Bsp1407I	T!GTACA	0	
Bsp1720I	GC!TNAGC	1	853

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BspACI	C!CGC	23	131; 835; 929; 1191; 1555; 1811; 1814; 2071; 2097; 2114; 2276; 2304; 2431; 2450; 2571; 2816; 3187; 3278; 3515; 3680; 3757; 3866; 4012
BspACI	G!CGG	18	36; 68; 837; 1649; 1904; 1943; 1953; 1995; 2020; 2058; 2157; 2164; 2185; 2681; 2825; 3469; 3636; 3965
BspCNI	CTCAGNNNNNNNN!	6	903; 1447; 1753; 2519; 2928; 3094
BspCNI	!NNNNNNNCTGAG	4	845; 1788; 2033; 3613
BspDI	AT!CGAT	0	
BspD6I	GACTCNNNN!	4	870; 1712; 2139; 3127
BspD6I	!NNNNNNGAGTC	1	2595
BspEI	T!CCGGA	1	1209
BspFNI	CG!CG	9	837; 1832; 1834; 1937; 2278; 2859; 3189; 3682; 4014
BspHI	T!CATGA	3	2951; 3959; 4064
BspLI	GGN!NCC	10	129; 147; 1681; 2263; 2302; 3074; 3168; 3209; 3420; 4010
BspMI	ACCTGCNNNN!	0	
BspMI	!NNNNNNNNGCAGGT	0	
BspOI	GCTAG!C	1	965
BspPI	GGATCNNNN!	4	129; 2880; 2977; 3757
BspPI	!NNNNNGATCC	7	122; 870; 2792; 2878; 2976; 3440; 3761
BspQI	GCTCTTCN!	1	2115
BspQI	!NNNNGAAGAGC	0	
BspTI	C!TTAAG	0	
BspT104I	TT!CGAA	0	
BspT107I	G!GYRCC	3	145; 1679; 3072
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	1	3185
BsrI	ACTGGN!	8	201; 525; 1020; 1757; 2011; 2639; 2652; 3600
BsrI	C!CAGT	8	879; 1460; 1978; 2764; 3170; 3288; 3331; 3770
BsrBI	CCG!CTC	1	1816
BsrBI	GAG!CGG	4	36; 68; 2164; 3965
BsrDI	GCAATGNN!	2	1232; 3185
BsrDI	!CATTGC	1	3359
BsrFI	R!CCGGY	1	3204
BsrGI	T!GTACA	0	
BsrSI	ACTGGN!	8	201; 525; 1020; 1757; 2011; 2639; 2652; 3600
BsrSI	C!CAGT	8	879; 1460; 1978; 2764; 3170; 3288; 3331; 3770
BssAI	R!CCGGY	1	3204
BssECI	C!CNNGG	7	149; 835; 1444; 1445; 1514; 1693; 2391
BssHII	G!CGCGC	0	
BssKI	!CCNNGG	14	149; 150; 931; 1388; 1444; 1692; 1875; 1910; 2257; 2378; 2391; 2609; 3305; 3656
BssMI	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
BssNI	GR!CGYC	2	3661; 4043
BssNAI	GTA!TAC	1	2004
BssSI	C!ACGAG	1	4095
BssSI	C!TCGTG	2	2404; 3788
BssTII	C!CWWGG	1	1514
Bst6I	CTCTTCN!	2	2115; 3919
Bst6I	!NNNNGAAGAG	1	744
Bst98I	C!TTAAG	0	
Bst1107I	GTA!TAC	1	2004
BstACI	GR!CGYC	2	3661; 4043
BstAFI	C!TTAAG	0	
BstAPI	GCANNNN!NTGC	1	2055
BstAUI	T!GTACA	0	
BstBI	TT!CGAA	0	
Bst2BI	C!ACGAG	1	4095
Bst2BI	C!TCGTG	2	2404; 3788
BstBAI	YAC!GTR	1	1985
Bst4CI	ACN!GT	15	579; 1029; 1107; 1140; 1237; 1278; 1381; 1628; 1850; 1885; 2195; 2266; 2736; 3049; 3564
BstC8I	GCN!NGC	12	135; 139; 170; 392; 963; 1191; 1559; 2162; 2248; 2285; 2845; 3236
BstDEI	C!TNAG	12	853; 890; 986; 1434; 1740; 1796; 2041; 2506; 2915; 3081; 3621; 4047

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstDSI	C!CRYGG	2	835; 1514
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	1	1912
BstF5I	!CATCC	6	591; 705; 1206; 3103; 3284; 3571
BstFNI	CG!CG	9	837; 1832; 1834; 1937; 2278; 2859; 3189; 3682; 4014
BstH2I	RGCGC!Y	2	2109; 2479
BstHHI	GCG!C	14	1834; 1937; 1967; 2108; 2141; 2411; 2478; 2578; 2752; 2861; 3254; 3347; 3684; 4016
BstKTI	GAT!C	17	124; 130; 568; 878; 2800; 2875; 2886; 2894; 2972; 2984; 3089; 3430; 3448; 3494; 3752; 3769; 3805
BstMAI	GTCTCN!	3	326; 1437; 3961
BstMAI	!NNNNNGAGAC	2	1874; 3185
BstMBI	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
BstMCI	CGRY!CG	3	2571; 3494; 3643
BstMWI	GCNNNNN!NNGC	12	33; 169; 849; 967; 991; 1554; 2055; 2105; 2170; 2284; 2856; 3244
BstNI	CC!WGG	6	1390; 1446; 1694; 2259; 2380; 2393
BstNSI	RCATG!Y	6	137; 394; 460; 805; 1870; 2235
BstOI	CC!WGG	6	1390; 1446; 1694; 2259; 2380; 2393
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	0	
BstSCI	!CCNGG	14	149; 150; 931; 1388; 1444; 1692; 1875; 1910; 2257; 2378; 2391; 2609; 3305; 3656
BstSFI	C!TRYAG	3	2496; 2687; 3365
BstSLI	GKGC!C	4	1684; 2051; 2549; 3795
BstSNI	TAC!GTA	0	
BstUI	CG!CG	9	837; 1832; 1834; 1937; 2278; 2859; 3189; 3682; 4014
Bst2UI	CC!WGG	6	1390; 1446; 1694; 2259; 2380; 2393
BstVII	GCAGCNNNNNNNN!	5	1882; 1979; 2650; 2859; 3553
BstVII	!NNNNNNNNNNNGCTGC	7	147; 1811; 2123; 2141; 2560; 3099; 3162
BstV2I	GAAGACNN!	0	
BstV2I	!NNNNNGTCTTC	1	4102
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	9	127; 565; 875; 2872; 2883; 2969; 2981; 3749; 3766
BstYI	R!GATCY	9	127; 565; 875; 2872; 2883; 2969; 2981; 3749; 3766
BstZI	C!GGCCG	0	
BstZ17I	GTA!TAC	1	2004
BsuI	GTATCCNNNNNN!	0	
BsuI	!NNNNNGGATAC	2	2434; 3961
Bsu15I	AT!CGAT	0	
Bsu36I	CC!TNAGG	0	
BsuRI	GG!CC	13	1126; 1171; 1393; 1480; 1757; 2246; 2257; 2275; 2709; 3167; 3247; 3514; 4101
BsuTUI	AT!CGAT	0	
BtgI	C!CRYGG	2	835; 1514
BtgZI	GCGATGNNNNNNNNNN!	2	178; 1649
BtgZI	!NNNNNNNNNNNNNNCATCGC	1	1292
BthCI	GCNG!C	23	163; 931; 1557; 1816; 1827; 1873; 1970; 2023; 2139; 2157; 2160; 2278; 2433; 2576; 2641; 2644; 2850; 3115; 3178; 3517; 3544; 3639; 3868
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	1	3524
BtsI	!CACTGC	1	3544
BtsCI	GGATGNN!	1	1912
BtsCI	!CATCC	6	591; 705; 1206; 3103; 3284; 3571
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	0	
BveI	!NNNNNNNNNGCAGGT	0	
Cac8I	GCN!NGC	12	135; 139; 170; 392; 963; 1191; 1559; 2162; 2248; 2285; 2845; 3236
CaiI	CAGNNN!CTG	1	2647
CciI	T!CATGA	3	2951; 3959; 4064
CciNI	GC!GGCCGC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CdiI	CATC!G	3	1051; 1310; 3375
CdiI	C!GATG	3	164; 1635; 3776
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	2020
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	1	2283
CelII	GC!TNAGC	1	853
CfoI	GCG!C	14	1834; 1937; 1967; 2108; 2141; 2411; 2478; 2578; 2752; 2861; 3254; 3347; 3684; 4016
CfrI	Y!GGCCR	2	1478; 3512
Cfr9I	C!CCGGG	1	150
Cfr10I	R!CCGGY	1	3204
Cfr13I	G!GNCC	7	730; 1755; 3166; 3245; 3262; 3484; 4100
Cfr42I	CCGC!GG	1	838
ChaI	GATC!	17	125; 131; 569; 879; 2801; 2876; 2887; 2895; 2973; 2985; 3090; 3431; 3449; 3495; 3753; 3770; 3806
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	4	2077; 2283; 2838; 4061
CjeI	!NNNNNNNNNACNNNNNNNTGG	5	192; 886; 2724; 2802; 2902
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	5	226; 920; 2758; 2836; 2936
CjeI	!NNNNNNNNCCANNNNNNNGT	4	2043; 2249; 2804; 4027
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	2	2789; 4061
CjePI	!NNNNNNNNNGANNNNNNNNTGG	5	636; 2724; 2902; 3022; 3494
CjePI	GANNNNNNNNTGGNNNNNNNNNNNNNN!	5	669; 2757; 2935; 3055; 3527
CjePI	!NNNNNNNNCCANNNNNNNNTC	2	2756; 4028
ClaI	AT!CGAT	0	
CpoI	CG!GWCCG	0	
CseI	GACGCNNNNN!	2	2342; 2920
CseI	!NNNNNNNNNNNGCGTC	2	1926; 3650
CsiI	A!CCWGGT	0	
CspI	CG!GWCCG	0	
Csp6I	G!TAC	9	146; 200; 245; 356; 518; 1091; 1629; 2038; 3603
Csp45I	TT!CGAA	0	
CspAI	A!CCGGT	0	
CspCI	CAANNNNNNGTGGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNNCAANNNNNNGTGG	0	
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNNN!	1	2110
CstMI	!NNNNNNNNNNNNNNNNNNNNCTCCTT	1	3458
CviAII	C!ATG	19	134; 325; 391; 457; 802; 1285; 1515; 1576; 1597; 1867; 1972; 2232; 2952; 3443; 3453; 3531; 3567; 3960; 4065
CviJI	RG!CY	56	141; 160; 172; 484; 843; 852; 857; 961; 965; 985; 994; 1113; 1126; 1171; 1242; 1393; 1438; 1480; 1592; 1713; 1739; 1757; 1824; 1873; 1892; 1925; 1970; 2010; 2154; 2173; 2246; 2257; 2275; 2301; 2399; 2535; 2540; 2565; 2644; 2709; 2720; 2763; 2792; 3112; 3155; 3167; 3208; 3234; 3238; 3247; 3313; 3403; 3413; 3476; 3514; 4101
CviKI-1	RG!CY	56	141; 160; 172; 484; 843; 852; 857; 961; 965; 985; 994; 1113; 1126; 1171; 1242; 1393; 1438; 1480; 1592; 1713; 1739; 1757; 1824; 1873; 1892; 1925; 1970; 2010; 2154; 2173; 2246; 2257; 2275; 2301; 2399; 2535; 2540; 2565; 2644; 2709; 2720; 2763; 2792; 3112; 3155; 3167; 3208; 3234; 3238; 3247; 3313; 3403; 3413; 3476; 3514; 4101
CviQI	G!TAC	9	146; 200; 245; 356; 518; 1091; 1629; 2038; 3603
DdeI	C!TNAG	12	853; 890; 986; 1434; 1740; 1796; 2041; 2506; 2915; 3081; 3621; 4047
DinI	GGC!GCC	0	
DpnI	GA!TC	17	123; 129; 567; 877; 2799; 2874; 2885; 2893; 2971; 2983; 3088; 3429; 3447; 3493; 3751; 3768; 3804
DpnII	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
DraI	TTT!AAA	8	507; 693; 810; 1133; 1472; 2990; 3009; 3701
DraII	RG!GNCCY	1	4100
DraIII	CACNNN!GTG	0	
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	0	
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCTTG	1	2675
DrdI	GACNNNN!NNGTC	2	1926; 2339
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DriI	GACNNN!NNGTC	1	3124
DseDI	GACNNNN!NNGTC	2	1926; 2339
EaeI	Y!GGCCR	2	1478; 3512
EagI	C!GGCCG	0	
Eam1104I	CTCTTCN!	2	2115; 3919
Eam1104I	!NNNNGAAGAG	1	744
Eam1105I	GACNNN!NNGTC	1	3124
EarI	CTCTTCN!	2	2115; 3919
EarI	!NNNNGAAGAG	1	744
EciI	GGCGGANNNNNNNNNNN!	0	
EciI	!NNNNNNNNNTCCGCC	4	1800; 2293; 2439; 3267
Ecl136II	GAG!CTC	1	141
EclXI	C!GGCCG	0	
Eco24I	GRGCY!C	1	143
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	1	3185
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	3	730; 3262; 3484
Eco47III	AGC!GCT	0	
Eco52I	C!GGCCG	0	
Eco57I	CTGAAGNNNNNNNNNNNNNNN!	1	2779
Eco57I	!NNNNNNNNNNNNNNCTTCAG	1	3791
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	0	
Eco88I	C!YCGRG	2	1; 150
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	0	
Eco130I	C!CWWGG	1	1514
Eco147I	AGG!CCT	0	
EcoHI	!CCSGG	8	149; 150; 931; 1875; 1910; 2609; 3305; 3656
EcoICRI	GAG!CTC	1	141
Eco57MI	CTGRAGNNNNNNNNNNNNNNN!	2	1335; 2779
Eco57MI	!NNNNNNNNNNNNNNCTYCAG	3	233; 3194; 3791
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	1	4100
EcoRI	G!AATTC	0	
EcoRII	!CCWGG	6	1388; 1444; 1692; 2257; 2378; 2391
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	1	1514
EcoT22I	ATGCA!T	1	689
EcoT38I	GRGCY!C	1	143
Eco53kI	GAG!CTC	1	141
EgeI	GGC!GCC	0	
EheI	GGC!GCC	0	
ErhI	C!CWWGG	1	1514
EsaBC3I	TC!GA	5	3; 157; 1746; 2332; 3776
Esp3I	CGTCTCN!	1	1437
Esp3I	!NNNNNGAGACG	1	1874
FaeI	CATG!	19	137; 328; 394; 460; 805; 1288; 1518; 1579; 1600; 1870; 1975; 2235; 2955; 3446; 3456; 3534; 3570; 3963; 4068
FaiI	YA!TR	62	12; 49; 115; 135; 175; 312; 326; 331; 338; 374; 392; 413; 437; 458; 473; 479; 683; 685; 803; 1022; 1036; 1097; 1222; 1251; 1286; 1354; 1356; 1423; 1486; 1516; 1529; 1577; 1598; 1868; 1973; 2004; 2018; 2054; 2056; 2233; 2297; 2370; 2675; 2953; 3025; 3027; 3029; 3109; 3400; 3444; 3454; 3532; 3538; 3551; 3568; 3634; 3689; 3910; 3961; 3973; 4066; 4079
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	0	
FalI	!NNNNNNNNAAGNNNNNNCTT	0	
FaqI	GGGACNNNNNNNNNN!	0	
FaqI	!NNNNNNNNNNNNNGTCCC	0	
FatI	!CATG	19	133; 324; 390; 456; 801; 1284; 1514; 1575; 1596; 1866; 1971; 2231; 2951; 3442; 3452; 3530; 3566; 3959; 4064
FauI	CCCGCNNNN!	1	1198
FauI	!NNNNNNNGCGGG	2	1642; 1936
FauNDI	CA!TATG	2	683; 2054

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FbaI	T!GATCA	0	
FblI	GT!MKAC	1	2003
FmuI	GGNC!C	7	733; 1758; 3169; 3248; 3265; 3487; 4103
Fnu4HI	GC!NGC	23	161; 929; 1555; 1814; 1825; 1871; 1968; 2021; 2137; 2155; 2158; 2276; 2431; 2574; 2639; 2642; 2848; 3113; 3176; 3515; 3542; 3637; 3866
FokI	GGATGNNNNNNNNN!	1	1919
FokI	!NNNNNNNNNNNNNNCATCC	6	578; 692; 1193; 3090; 3271; 3558
FriOI	GRGCY!C	1	143
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3346
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	8	422; 629; 962; 1710; 1819; 2726; 2979; 3314
FspEI	CCNNNNNNNNNNNN!	107	13; 144; 162; 182; 263; 323; 377; 395; 542; 608; 722; 746; 830; 848; 879; 902; 942; 970; 1038; 1053; 1107; 1140; 1181; 1203; 1223; 1279; 1297; 1339; 1402; 1452; 1473; 1494; 1515; 1568; 1593; 1609; 1696; 1771; 1808; 1824; 1841; 1871; 1889; 1924; 1939; 1984; 2065; 2084; 2110; 2127; 2214; 2260; 2278; 2308; 2322; 2371; 2392; 2415; 2429; 2444; 2458; 2473; 2544; 2567; 2584; 2598; 2619; 2645; 2723; 2777; 2814; 2829; 2900; 2991; 3067; 3089; 3120; 3136; 3173; 3200; 3218; 3244; 3261; 3278; 3294; 3319; 3344; 3372; 3429; 3462; 3492; 3528; 3584; 3624; 3656; 3670; 3693; 3770; 3797; 3840; 3879; 3931; 4025; 4039; 4068; 4089; 4115
FspEI	!NNNNNNNNNNNNNNNGG	115	21; 53; 85; 104; 128; 182; 211; 242; 275; 316; 338; 389; 428; 470; 500; 583; 602; 635; 710; 766; 822; 844; 888; 907; 931; 952; 973; 1001; 1029; 1051; 1099; 1153; 1195; 1220; 1299; 1323; 1354; 1375; 1431; 1462; 1501; 1520; 1543; 1574; 1626; 1652; 1679; 1702; 1721; 1739; 1766; 1786; 1824; 1862; 1889; 1916; 1935; 1980; 2005; 2043; 2070; 2088; 2128; 2149; 2167; 2195; 2228; 2257; 2283; 2331; 2365; 2423; 2449; 2484; 2503; 2521; 2570; 2596; 2620; 2640; 2663; 2688; 2715; 2759; 2786; 2804; 2855; 2887; 2924; 2952; 3024; 3055; 3132; 3190; 3224; 3245; 3291; 3353; 3380; 3401; 3454; 3496; 3517; 3581; 3621; 3643; 3701; 3732; 3821; 3840; 3859; 3931; 3950; 3989; 4071
Fsp4HI	GC!NGC	23	161; 929; 1555; 1814; 1825; 1871; 1968; 2021; 2137; 2155; 2158; 2276; 2431; 2574; 2639; 2642; 2848; 3113; 3176; 3515; 3542; 3637; 3866
GdiII	C!GGCCR	0	
GdiII	Y!GGCCG	1	3512
GlaI	GC!GC	14	1833; 1936; 1966; 2107; 2140; 2410; 2477; 2577; 2751; 2860; 3253; 3346; 3683; 4015
GluI	GC!NGC	23	161; 929; 1555; 1814; 1825; 1871; 1968; 2021; 2137; 2155; 2158; 2276; 2431; 2574; 2639; 2642; 2848; 3113; 3176; 3515; 3542; 3637; 3866
GsaI	CCCAG!C	0	
GsaI	GCTGG!G	1	2539
GsuI	CTGGAGNNNNNNNNNNNNNNN!	1	1335
GsuI	!NNNNNNNNNNNNNNCTCCAG	2	233; 3194
HaeI	WGG!CCW	5	1393; 1480; 2246; 2257; 2709
HaeII	RGCGC!Y	2	2109; 2479
HaeIII	GG!CC	13	1126; 1171; 1393; 1480; 1757; 2246; 2257; 2275; 2709; 3167; 3247; 3514; 4101
HaeIV	GAYNNNNNNRTCNNNNNNNNNNNNN!	1	3143
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	1	3109
HaeIV	GAYNNNNNNRTCNNNNNNNNNNNNN!	1	3142
HaeIV	!NNNNNNNGAYNNNNNNRTC	1	3111
HapII	C!CGG	16	151; 932; 1168; 1210; 1338; 1877; 1911; 2438; 2585; 2611; 2801; 3205; 3239; 3306; 3416; 3658
HgaI	GACGCNNNNN!	2	2342; 2920
HgaI	!NNNNNNNNNNNGCGTC	2	1926; 3650
HhaI	GCG!C	14	1834; 1937; 1967; 2108; 2141; 2411; 2478; 2578; 2752; 2861; 3254; 3347; 3684; 4016
HinII	GR!CGYC	2	3661; 4043
HinIII	CATG!	19	137; 328; 394; 460; 805; 1288; 1518; 1579; 1600; 1870; 1975; 2235; 2955; 3446; 3456; 3534; 3570; 3963; 4068
Hin4I	GAYNNNNNNVTCNNNNNNNNNNNNN!	4	323; 1220; 3142; 3216
Hin4I	!NNNNNNNNGABNNNNNNRTC	1	3110
Hin4I	GABNNNNNNRTCNNNNNNNNNNNNN!	1	3142

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Hin4I	!NNNNNNNNNGAYNNNNNVTC	4	291; 1188; 3110; 3184
Hin6I	G!CGC	14	1832; 1935; 1965; 2106; 2139; 2409; 2476; 2576; 2750; 2859; 3252; 3345; 3682; 4014
HinP1I	G!CGC	14	1832; 1935; 1965; 2106; 2139; 2409; 2476; 2576; 2750; 2859; 3252; 3345; 3682; 4014
HincII	GTY!RAC	0	
HindII	GTY!RAC	0	
HindIII	A!AGCTT	1	841
HinfI	G!ANTC	11	55; 535; 676; 862; 953; 1563; 1704; 2131; 2206; 2602; 3119
HpaI	GTT!AAC	0	
HpaII	C!CGG	16	151; 932; 1168; 1210; 1338; 1877; 1911; 2438; 2585; 2611; 2801; 3205; 3239; 3306; 3416; 3658
HphI	GGTGANNNNNNNN!	10	250; 613; 960; 1249; 1393; 1461; 1795; 1853; 3610; 3851
HphI	!NNNNNNNTCACC	7	1255; 1449; 1503; 2967; 3194; 3816; 4105
Hpy8I	GTN!NAC	7	1263; 1786; 2004; 2049; 2547; 3035; 3793
Hpy99I	CGWCG!	4	1333; 2336; 3130; 3393
Hpy166II	GTN!NAC	7	1263; 1786; 2004; 2049; 2547; 3035; 3793
Hpy188I	TCN!GA	12	893; 915; 1862; 2028; 2345; 2423; 2776; 2910; 3045; 3491; 3502; 3622
Hpy188III	TC!NNGA	20	3; 125; 250; 529; 903; 980; 1210; 1314; 1795; 1819; 2465; 2599; 2697; 2795; 2878; 2952; 3211; 3960; 4065; 4095
HpyAV	CCTTCNNNNNN!	3	2471; 2781; 3489
HpyAV	!NNNNNGAAGG	4	235; 2723; 3236; 3848
HpyCH4III	ACN!GT	15	579; 1029; 1107; 1140; 1237; 1278; 1381; 1628; 1850; 1885; 2195; 2266; 2736; 3049; 3564
HpyCH4IV	A!CGT	7	1300; 1475; 1984; 2934; 3350; 3723; 4043
HpyCH4V	TG!CA	15	390; 456; 591; 687; 720; 765; 1870; 2049; 2547; 2843; 3178; 3268; 3461; 3549; 3793
HpyF3I	C!TNAG	12	853; 890; 986; 1434; 1740; 1796; 2041; 2506; 2915; 3081; 3621; 4047
HpyF10VI	GCNNNNN!NNGC	12	33; 169; 849; 967; 991; 1554; 2055; 2105; 2170; 2284; 2856; 3244
Hsp92I	GR!CGYC	2	3661; 4043
Hsp92II	CATG!	19	137; 328; 394; 460; 805; 1288; 1518; 1579; 1600; 1870; 1975; 2235; 2955; 3446; 3456; 3534; 3570; 3963; 4068
HspAI	G!CGC	14	1832; 1935; 1965; 2106; 2139; 2409; 2476; 2576; 2750; 2859; 3252; 3345; 3682; 4014
KasI	G!GCGCC	0	
KfiI	GG!GWCCC	0	
KpnI	GGTAC!C	1	149
Kpn2I	T!CCGGA	1	1209
KspI	CCGC!GG	1	838
Ksp22I	T!GATCA	0	
KspAI	GTT!AAC	0	
Kzo9I	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
LguI	GCTCTTCN!	1	2115
LguI	!NNNNGAAGAGC	0	
LpnI	RGCI!GCT	2	2107; 2477
LpnPI	CCDGNNNNNNNNNN!	41	164; 182; 263; 542; 879; 945; 1114; 1181; 1207; 1223; 1351; 1402; 1458; 1473; 1706; 1808; 1890; 1924; 1991; 2260; 2324; 2392; 2429; 2451; 2598; 2624; 2777; 2814; 3129; 3183; 3218; 3244; 3278; 3301; 3319; 3344; 3429; 3671; 3783; 3840; 4052
LpnPI	!NNNNNNNNNNNNNNCHGG	49	136; 182; 353; 470; 506; 888; 917; 965; 1001; 1099; 1153; 1195; 1228; 1299; 1323; 1375; 1431; 1543; 1630; 1679; 1738; 1862; 1896; 1916; 1992; 2088; 2195; 2244; 2269; 2348; 2378; 2423; 2521; 2570; 2596; 2620; 2640; 2786; 2804; 3149; 3190; 3224; 3291; 3353; 3401; 3581; 3643; 3821; 3931
Lsp1109I	GCAGCNNNNNNNN!	5	1882; 1979; 2650; 2859; 3553
Lsp1109I	!NNNNNNNNNNNNNGCTGC	7	147; 1811; 2123; 2141; 2560; 3099; 3162
LweI	GCATCNNNNN!	8	600; 1056; 1729; 2032; 2108; 2328; 3380; 3820
LweI	!NNNNNNNNNGATGC	5	155; 1541; 1897; 2068; 3571
MabI	A!CCWGGT	0	
MaeI	C!TAG	8	422; 629; 962; 1710; 1819; 2726; 2979; 3314
MaeII	A!CGT	7	1300; 1475; 1984; 2934; 3350; 3723; 4043
MaeIII	!GTNAC	12	1270; 1375; 1885; 1980; 2587; 2650; 2766; 3049; 3380; 3438; 3591; 3779

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MaiI	GA!TC	17	123; 129; 567; 877; 2799; 2874; 2885; 2893; 2971; 2983; 3088; 3429; 3447; 3493; 3751; 3768; 3804
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	0	
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	0	
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	1	1816
MbiI	GAG!CGG	4	36; 68; 2164; 3965
MboI	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
MboII	GAAGANNNNNNNN!	4	451; 544; 761; 2893
MboII	!NNNNNNNTCTTC	7	1488; 2102; 2964; 3719; 3797; 3906; 4102
McaTI	GCGC!GC	0	
MfeI	C!AATTG	2	59; 818
MfiI	R!GATCY	9	127; 565; 875; 2872; 2883; 2969; 2981; 3749; 3766
MhlI	GDGCH!C	6	143; 1684; 2051; 2549; 3710; 3795
MlsI	TGG!CCA	1	1480
MluI	A!CGCGT	0	
MluNI	TGG!CCA	1	1480
MlyI	GAGTCNNNNN!	1	2611
MlyI	!NNNNNGACTC	4	856; 1698; 2125; 3113
Mly113I	GG!CGCC	0	
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	2	2446; 2630
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	0	
MnlI	CCTCNNNNNNN!	8	10; 899; 1838; 1868; 2130; 2413; 3291; 3497
MnlI	!NNNNNGAGG	9	93; 112; 1059; 1710; 2339; 2663; 3063; 3144; 4091
Mph1103I	ATGCA!T	1	689
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	1209
MroNI	G!CCGGC	0	
MroXI	GAANN!NNTTC	2	636; 3723
MscI	TGG!CCA	1	1480
MseI	T!TAA	23	95; 109; 398; 506; 692; 809; 831; 845; 1132; 1471; 1613; 1665; 1686; 2012; 2937; 2989; 2994; 3008; 3061; 3296; 3335; 3700; 4072
MslI	CAYNN!NNRTG	3	3376; 3535; 3894
MspI	C!CGG	16	151; 932; 1168; 1210; 1338; 1877; 1911; 2438; 2585; 2611; 2801; 3205; 3239; 3306; 3416; 3658
Msp20I	TGG!CCA	1	1480
MspA1I	CMG!CKG	7	837; 1113; 1557; 1943; 2573; 2818; 3759
MspCI	C!TTAAG	0	
MspJI	CNNRNNNNNNNN!	189	13; 49; 81; 94; 137; 150; 163; 181; 209; 262; 281; 299; 323; 337; 371; 403; 428; 469; 482; 497; 533; 563; 581; 607; 641; 692; 733; 782; 814; 829; 842; 856; 870; 891; 904; 926; 944; 969; 983; 998; 1028; 1052; 1097; 1113; 1126; 1152; 1168; 1192; 1206; 1222; 1255; 1280; 1297; 1326; 1339; 1363; 1385; 1401; 1414; 1446; 1472; 1488; 1516; 1533; 1546; 1561; 1579; 1609; 1624; 1657; 1697; 1722; 1736; 1752; 1765; 1807; 1831; 1845; 1873; 1888; 1905; 1923; 1938; 1956; 1973; 1989; 2008; 2023; 2039; 2053; 2084; 2110; 2133; 2154; 2173; 2186; 2214; 2232; 2252; 2270; 2289; 2308; 2323; 2337; 2351; 2365; 2391; 2404; 2418; 2434; 2450; 2477; 2495; 2518; 2543; 2560; 2578; 2592; 2611; 2632; 2647; 2660; 2676; 2702; 2722; 2738; 2770; 2787; 2807; 2821; 2856; 2870; 2888; 2915; 2937; 2964; 2990; 3030; 3050; 3066; 3088; 3120; 3136; 3160; 3176; 3200; 3213; 3243; 3260; 3277; 3300; 3318; 3343; 3358; 3380; 3395; 3428; 3443; 3463; 3502; 3528; 3541; 3562; 3579; 3608; 3623; 3655; 3669; 3682; 3698; 3721; 3743; 3756; 3782; 3796; 3809; 3839; 3857; 3871; 3902; 3919; 3958; 3972; 4012; 4025; 4038; 4051; 4077; 4102

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNG	170	10; 49; 100; 120; 137; 155; 183; 206; 236; 283; 301; 318; 338; 359; 377; 408; 439; 464; 483; 501; 524; 549; 574; 598; 615; 653; 670; 703; 725; 767; 788; 812; 835; 852; 877; 894; 918; 936; 953; 973; 1002; 1049; 1087; 1108; 1138; 1172; 1195; 1225; 1254; 1271; 1299; 1323; 1345; 1364; 1402; 1421; 1446; 1471; 1490; 1516; 1544; 1562; 1583; 1619; 1636; 1663; 1680; 1700; 1727; 1747; 1767; 1787; 1805; 1824; 1846; 1863; 1883; 1908; 1926; 1946; 1964; 1993; 2012; 2041; 2066; 2088; 2107; 2124; 2142; 2178; 2195; 2218; 2244; 2263; 2284; 2302; 2325; 2344; 2365; 2390; 2407; 2424; 2449; 2478; 2497; 2518; 2543; 2561; 2585; 2606; 2634; 2655; 2683; 2702; 2726; 2750; 2772; 2805; 2822; 2842; 2864; 2887; 2919; 2938; 2965; 3014; 3051; 3068; 3102; 3127; 3149; 3174; 3191; 3217; 3235; 3263; 3292; 3313; 3330; 3354; 3373; 3396; 3417; 3439; 3459; 3486; 3517; 3553; 3575; 3598; 3619; 3639; 3656; 3702; 3732; 3750; 3774; 3794; 3813; 3837; 3867; 3931; 3948; 3973; 3990; 4011; 4034; 4051; 4072; 4092
MspR9I	CC!NGG	14	151; 152; 933; 1390; 1446; 1694; 1877; 1912; 2259; 2380; 2393; 2611; 3307; 3658
MssI	GTTT!AAAC	0	
MunI	C!AATTG	2	59; 818
MvaI	CC!WGG	6	1390; 1446; 1694; 2259; 2380; 2393
Mva1269I	GAATGCN!	2	1206; 1613
Mva1269I	G!CATTC	1	765
MvnI	CG!CG	9	837; 1832; 1834; 1937; 2278; 2859; 3189; 3682; 4014
MvrI	CGAT!CG	1	3494
MwoI	GCNNNNN!NNGC	12	33; 169; 849; 967; 991; 1554; 2055; 2105; 2170; 2284; 2856; 3244
NaeI	GCC!GGC	0	
NarI	GG!CGCC	0	
NciI	CC!SGG	8	151; 152; 933; 1877; 1912; 2611; 3307; 3658
NcoI	C!CATGG	1	1514
NdeI	CA!TATG	2	683; 2054
NdeII	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	2	3370; 3595
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNNNN!	2	3406; 3631
NgoAVIII	!NNNNNNNNNNNNNGACNNNNNTGA	0	
NgoMIV	G!CCGGC	0	
NheI	G!CTAGC	1	961
NlaIII	CATG!	19	137; 328; 394; 460; 805; 1288; 1518; 1579; 1600; 1870; 1975; 2235; 2955; 3446; 3456; 3534; 3570; 3963; 4068
NlaIV	GGN!NCC	10	129; 147; 1681; 2263; 2302; 3074; 3168; 3209; 3420; 4010
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	1	2344
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	2	1568; 1824
Nli3877I	CYCGR!G	2	5; 154
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	1	3273
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	0	
NmeDI	RCCGGYNNNNNNN!	1	3216
NmeDI	!NNNNNNNNNNNNRCCGGY	1	3191
NmuCI	!GTSAC	4	1885; 1980; 3380; 3591
NotI	GC!GGCCGC	0	
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3346
NsiI	ATGCA!T	1	689
NspI	RCATG!Y	6	137; 394; 460; 805; 1870; 2235
NspV	TT!CGAA	0	
OliI	CACNN!NNGTG	0	
PabI	GTA!C	9	148; 202; 247; 358; 520; 1093; 1631; 2040; 3605
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	2	137; 394
PaeR7I	C!TCGAG	1	1
PagI	T!CATGA	3	2951; 3959; 4064
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	1	1445
PauI	G!CGCGC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PceI	AGG!CCT	0	
PciI	A!CATGT	1	2231
PciSI	GCTCTTCN!	1	2115
PciSI	!NNNNGAAGAGC	0	
PcsI	WCGNNNN!NNNCGW	3	2157; 2555; 3432
PctI	GAATGCN!	2	1206; 1613
PctI	G!CATTG	1	765
PdiI	GCC!GGC	0	
PdmI	GAANN!NNTTC	2	636; 3723
PfeI	G!AWTC	6	55; 535; 676; 953; 1563; 2206
Pfi23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	1978
PfIMI	CCANNNN!NTGG	1	1445
PfoI	T!CCNGGA	1	1875
PhoI	GG!CC	13	1126; 1171; 1393; 1480; 1757; 2246; 2257; 2275; 2709; 3167; 3247; 3514; 4101
PinAI	A!CCGGT	0	
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNN!	2	2050; 2126
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	2	1175; 1529
PleI	GAGTCNNNN!	1	2610
PleI	!NNNNNGACTC	4	856; 1698; 2125; 3113
Ple19I	CGAT!CG	1	3494
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	2946
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	3756
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	3788
PpiI	!NNNNNNNGAACNNNNNNCTC	1	2914
PpsI	GAGTCNNNN!	1	2610
PpsI	!NNNNNGACTC	4	856; 1698; 2125; 3113
Ppu10I	A!TGCAT	1	685
Ppu21I	YAC!GTR	1	1985
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	2231
PshAI	GACNN!NNGTC	0	
PshBI	AT!TAAT	2	398; 3296
PsiI	TTA!TAA	1	49
Psp03I	GGWC!C	3	733; 3265; 3487
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	6	1388; 1444; 1692; 2257; 2378; 2391
Psp1406I	AA!CGTT	3	1300; 3350; 3723
Psp124BI	GAGCT!C	1	143
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	6	1388; 1444; 1692; 2257; 2378; 2391
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	10	129; 147; 1681; 2263; 2302; 3074; 3168; 3209; 3420; 4010
PspOMI	G!GGCCC	0	
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNN!	0	
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	0	
PspPI	G!GNCC	7	730; 1755; 3166; 3245; 3262; 3484; 4100
PspPPI	RG!GWCCY	0	
PspPRI	CCYAGNNNNNNNNNNNNNNNN!	2	909; 3188
PspPRI	!NNNNNNNNNNNNNNNNNNCTGRGG	1	1680
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGNC!CY	1	4103
PstI	CTGCA!G	0	
PstNI	CAGNNN!CTG	1	2647
PsuI	R!GATCY	9	127; 565; 875; 2872; 2883; 2969; 2981; 3749; 3766
PsyI	GACN!NNGTC	1	1978

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PteI	G!CGCGC	0	
PvuI	CGAT!CG	1	3494
PvuII	CAG!CTG	1	1113
RcaI	T!CATGA	3	2951; 3959; 4064
RceI	CATCGACNNNNNNNNNNNNNNNNNNNN!	0	
RceI	!NNNNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	0	
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	9	147; 201; 246; 357; 519; 1092; 1630; 2039; 3604
RsaNI	G!TAC	9	146; 200; 245; 356; 518; 1091; 1629; 2038; 3603
RseI	CAYNN!NNRTG	3	3376; 3535; 3894
RsrII	CG!GWCCG	0	
Rsr2I	CG!GWCCG	0	
SacI	GAGCT!C	1	143
SacII	CCGC!GG	1	838
SalI	G!TCGAC	0	
SapI	GCTCTTCN!	1	2115
SapI	!NNNNGAAGAGC	0	
SaqAI	T!TAA	23	95; 109; 398; 506; 692; 809; 831; 845; 1132; 1471; 1613; 1665; 1686; 2012; 2937; 2989; 2994; 3008; 3061; 3296; 3335; 3700; 4072
SatI	GC!NGC	23	161; 929; 1555; 1814; 1825; 1871; 1968; 2021; 2137; 2155; 2158; 2276; 2431; 2574; 2639; 2642; 2848; 3113; 3176; 3515; 3542; 3637; 3866
Sau96I	G!GNCC	7	730; 1755; 3166; 3245; 3262; 3484; 4100
Sau3AI	!GATC	17	121; 127; 565; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	2	1630; 3604
SchI	GAGTCNNNNN!	1	2611
SchI	!NNNNNGACTC	4	856; 1698; 2125; 3113
SciI	CTC!GAG	1	3
ScrFI	CC!NGG	14	151; 152; 933; 1390; 1446; 1694; 1877; 1912; 2259; 2380; 2393; 2611; 3307; 3658
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	4	556; 1006; 3281; 3527
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	3	844; 1773; 2394
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	1	3371
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	1	3405
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	0	
SduI	GDGCH!C	6	143; 1684; 2051; 2549; 3710; 3795
SelI	!CGCG	9	835; 1830; 1832; 1935; 2276; 2857; 3187; 3680; 4012
SetI	ASST!	52	2; 143; 162; 174; 246; 261; 294; 486; 845; 854; 859; 891; 963; 967; 987; 996; 1096; 1115; 1244; 1303; 1391; 1478; 1547; 1571; 1715; 1826; 1860; 1875; 1894; 1987; 2175; 2350; 2401; 2447; 2503; 2522; 2537; 2674; 2773; 2794; 2937; 2980; 3078; 3114; 3315; 3353; 3415; 3478; 3726; 4041; 4046; 4078
SexAI	A!CCWGGT	0	
SfaI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	8	600; 1056; 1729; 2032; 2108; 2328; 3380; 3820
SfaNI	!NNNNNNNNNGATGC	5	155; 1541; 1897; 2068; 3571
SfcI	C!TRYAG	3	2496; 2687; 3365
SfiI	GGCCNNNN!NGGCC	0	
SfoI	GGC!GCC	0	
Sfr274I	C!TCGAG	1	1
Sfr303I	CCGC!GG	1	838
SfuI	TT!CGAA	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNN!	136	13; 137; 150; 163; 181; 209; 262; 337; 380; 403; 434; 469; 497; 533; 641; 814; 848; 870; 891; 915; 933; 970; 983; 1028; 1113; 1126; 1170; 1198; 1222; 1255; 1280; 1297; 1326; 1339; 1375; 1401; 1457; 1472; 1488; 1516; 1546; 1570; 1588; 1609; 1657; 1705; 1722; 1765; 1807; 1831; 1845; 1879; 1905; 1923; 1938; 1956; 1973; 1990; 2019; 2115; 2133; 2154; 2173; 2222; 2244; 2259; 2289; 2323; 2351; 2370; 2391; 2404; 2418; 2439; 2457; 2477; 2504; 2544; 2560; 2578; 2597; 2611; 2632; 2647; 2660; 2681; 2709; 2738; 2776; 2807; 2831; 2856; 2870; 2890; 2915; 2945; 2964; 2991; 3050; 3128; 3141; 3160; 3176; 3200; 3217; 3243; 3261; 3277; 3300; 3318; 3343; 3380; 3395; 3428; 3443; 3465; 3543; 3579; 3608; 3624; 3656; 3669; 3682; 3743; 3758; 3782; 3800; 3839; 3863; 3902; 3958; 3972; 4025; 4051; 4077; 4107
SgeI	!NNNNNNNNNNNNCNG	120	111; 128; 155; 183; 236; 311; 354; 377; 408; 443; 471; 507; 615; 788; 822; 844; 865; 889; 907; 944; 966; 1002; 1087; 1144; 1172; 1196; 1229; 1254; 1271; 1300; 1324; 1349; 1375; 1431; 1462; 1490; 1520; 1544; 1562; 1583; 1631; 1679; 1696; 1739; 1781; 1805; 1853; 1879; 1897; 1917; 1940; 1958; 1993; 2089; 2107; 2128; 2147; 2196; 2218; 2244; 2263; 2297; 2325; 2344; 2365; 2390; 2413; 2431; 2451; 2478; 2518; 2543; 2571; 2596; 2621; 2641; 2683; 2712; 2750; 2781; 2805; 2830; 2864; 2889; 2919; 2938; 2965; 3024; 3102; 3134; 3156; 3174; 3191; 3217; 3235; 3274; 3292; 3317; 3354; 3373; 3402; 3422; 3439; 3517; 3553; 3582; 3630; 3656; 3717; 3756; 3774; 3813; 3837; 3876; 3932; 3999; 4025; 4051; 4081; 4103
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	1	838
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	2	154; 2906
SimI	!GACCC	3	1974; 2423; 3192
SinI	G!GWCC	3	730; 3262; 3484
SlaI	C!TCGAG	1	1
SmaI	CCC!GGG	1	152
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	3	3376; 3535; 3894
SmlI	C!TYRAG	6	1; 1714; 2337; 2599; 2876; 3744
SmoI	C!TYRAG	6	1; 1714; 2337; 2599; 2876; 3744
SmuI	CCCGCNNNN!	1	1198
SmuI	!NNNNNNGCGGG	2	1642; 1936
SnaBI	TAC!GTA	0	
SpeI	A!CTAGT	0	
SphI	GCATG!C	2	137; 394
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	22	17; 44; 59; 76; 88; 106; 179; 191; 217; 223; 425; 557; 760; 778; 818; 846; 1213; 1618; 1657; 2991; 3297; 3552
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	0	
SsiI	C!CGC	23	131; 835; 929; 1191; 1555; 1811; 1814; 2071; 2097; 2114; 2276; 2304; 2431; 2450; 2571; 2816; 3187; 3278; 3515; 3680; 3757; 3866; 4012
SsiI	G!CGG	18	36; 68; 837; 1649; 1904; 1943; 1953; 1995; 2020; 2058; 2157; 2164; 2185; 2681; 2825; 3469; 3636; 3965
SspI	AAT!ATT	2	1525; 3928
SspDI	G!GCGCC	0	
SspD5I	GGTGANNNNNNNN!	10	250; 613; 960; 1249; 1393; 1461; 1795; 1853; 3610; 3851
SspD5I	!NNNNNNNNNTCACC	7	1254; 1448; 1502; 2966; 3193; 3815; 4104
SstI	GAGCT!C	1	143
SstII	CCGC!GG	1	838
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNNNN!	0	
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	12	157; 1197; 1511; 1883; 1933; 2365; 2564; 2573; 2617; 3131; 3664; 4032
Sth132I	!NNNNNNNNNCGGG	13	116; 143; 924; 1641; 1903; 1935; 1952; 2456; 2894; 3139; 3298; 3661; 3722

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Sth302II	CC!GG	16	152; 933; 1169; 1211; 1339; 1878; 1912; 2439; 2586; 2612; 2802; 3206; 3240; 3307; 3417; 3659
StrI	C!TCGAG	1	1
StsI	GGATGNNNNNNNNNN!	1	1920
StsI	!NNNNNNNNNNNNNNCATCC	6	577; 691; 1192; 3089; 3270; 3557
StuI	AGG!CCT	0	
StyI	C!CWWGG	1	1514
StyD4I	!CCNGG	14	149; 150; 931; 1388; 1444; 1692; 1875; 1910; 2257; 2378; 2391; 2609; 3305; 3656
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	15	579; 1029; 1107; 1140; 1237; 1278; 1381; 1628; 1850; 1885; 2195; 2266; 2736; 3049; 3564
TaiI	ACGT!	7	1303; 1478; 1987; 2937; 3353; 3726; 4046
TaqI	T!CGA	5	2; 156; 1745; 2331; 3775
TaqII	GACCGANNNNNNNNNNN!	1	3657
TaqII	!NNNNNNNNNTCGGTC	2	2133; 3472
TaqII	CACCGANNNNNNNNNNN!	1	3810
TaqII	!NNNNNNNNNTGGGTG	3	589; 1437; 3827
TasI	!AATT	22	17; 44; 59; 76; 88; 106; 179; 191; 217; 223; 425; 557; 760; 778; 818; 846; 1213; 1618; 1657; 2991; 3297; 3552
TatI	W!GTACW	3	1628; 2037; 3602
TauI	GCSG!C	10	931; 1557; 1816; 2023; 2160; 2278; 2433; 3517; 3639; 3868
TfiI	G!AWTC	6	55; 535; 676; 953; 1563; 2206
TliI	C!TCGAG	1	1
TruII	T!TAA	23	95; 109; 398; 506; 692; 809; 831; 845; 1132; 1471; 1613; 1665; 1686; 2012; 2937; 2989; 2994; 3008; 3061; 3296; 3335; 3700; 4072
Tru9I	T!TAA	23	95; 109; 398; 506; 692; 809; 831; 845; 1132; 1471; 1613; 1665; 1686; 2012; 2937; 2989; 2994; 3008; 3061; 3296; 3335; 3700; 4072
TscAI	CASTGNN!	9	1020; 2133; 2639; 2652; 2923; 3072; 3177; 3524; 3551
TseI	G!CWGC	13	160; 1824; 1870; 1967; 2136; 2154; 2573; 2638; 2641; 2847; 3112; 3175; 3541
TsoI	TARCCANNNNNNNNNNN!	1	1114
TsoI	!NNNNNNNNNTGGYTA	4	359; 398; 644; 3523
Tsp45I	!GTSAC	4	1885; 1980; 3380; 3591
Tsp509I	!AATT	22	17; 44; 59; 76; 88; 106; 179; 191; 217; 223; 425; 557; 760; 778; 818; 846; 1213; 1618; 1657; 2991; 3297; 3552
TspDTI	ATGAANNNNNNNNNNN!	9	190; 292; 389; 452; 494; 1213; 1243; 1631; 3015
TspDTI	!NNNNNNNNNTTCAT	5	694; 1295; 1561; 3092; 3395
TspEI	!AATT	22	17; 44; 59; 76; 88; 106; 179; 191; 217; 223; 425; 557; 760; 778; 818; 846; 1213; 1618; 1657; 2991; 3297; 3552
TspGWI	ACGGANNNNNNNNNNN!	1	3906
TspGWI	!NNNNNNNNNTCCGT	1	3564
TspMI	C!CCGGG	1	150
TspRI	CASTGNN!	9	1020; 2133; 2639; 2652; 2923; 3072; 3177; 3524; 3551
TstI	CACNNNNNNNTCCNNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNNNN!	0	
TstI	!NNNNNNNNCACNNNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	1978
Tth111II	CAARCANNNNNNNNNNN!	2	2821; 2860
Tth111II	!NNNNNNNNNTGYTTG	3	727; 1765; 2828
UnbI	!GGNCC	7	729; 1754; 3165; 3244; 3261; 3483; 4099
Van9II	CCANNNNN!NTGG	1	1445
Vha464I	C!TTAAG	0	
VneI	G!TGCAC	3	2047; 2545; 3791
VpaK11AI	!GGWCC	3	729; 3261; 3483
VpaK11BI	G!GWCC	3	730; 3262; 3484
VspI	AT!TAAT	2	398; 3296
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	3	17; 217; 1213
XbaI	T!CTAGA	1	1818
XceI	RCATG!Y	6	137; 394; 460; 805; 1870; 2235
XcmI	CCANNNNN!NNNNTGG	0	
XhoI	C!TCGAG	1	1

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
XhoII	R!GATCY	9	127; 565; 875; 2872; 2883; 2969; 2981; 3749; 3766
XmaI	C!CCGGG	1	150
XmaJI	C!CTAGG	0	
XmiI	GT!MKAC	1	2003
XmnI	GAANN!NNTTC	2	636; 3723
XspI	C!TAG	8	422; 629; 962; 1710; 1819; 2726; 2979; 3314
ZraI	GAC!GTC	1	4044
ZrmI	AGT!ACT	2	1630; 3604
Zsp2I	ATGCA!T	1	689