

pTagFP635-H2B vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	1907; 2112
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	1	870
AasI	GACNNNN!NNGTC	3	2195; 3151; 4940
AatI	AGG!CCT	2	1488; 2945
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	2	640; 1639
AccII	CG!CG	15	60; 1773; 2048; 2424; 2444; 2468; 2499; 3190; 3491; 3929; 4013; 4076; 4145; 4418; 4999
AccIII	T!CCGGA	0	
Acc16I	TGC!GCA	1	3226
Acc36I	ACCTGCNNNN!	2	3392; 3842
Acc36I	!NNNNNNNNGCAGGT	3	788; 870; 3011
Acc65I	G!GTACC	1	645
AccB1I	G!GYRCC	7	465; 645; 1113; 1173; 2277; 3123; 3158
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	2548; 3737
AccBSI	GAG!CGG	3	1767; 2384; 3791
AceIII	CAGCTCNNNNNNN!	1	2080
AceIII	!NNNNNNNNNNNGAGCTG	2	552; 1059
AciI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1372; 1510; 1612; 1771; 2439; 2442; 2456; 2546; 2794; 2806; 2815; 2827; 2837; 2848; 2894; 3033; 3096; 3598; 3643; 3709; 3735; 3860; 3863; 4011; 4143; 4450; 4594; 5090
AciI	G!CGG	29	370; 403; 528; 708; 733; 1207; 1519; 1561; 1767; 2384; 2411; 2499; 2609; 3190; 3254; 3355; 3358; 3638; 3693; 3791; 3929; 4076; 4216; 4459; 4704; 4825; 4844; 4971; 4999
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	8	1042; 2992; 3303; 3549; 3941; 4300; 4398; 4484
AclWI	!NNNNNGATCC	8	580; 932; 1029; 1594; 3368; 3912; 4299; 4396
AcoI	Y!GGCCR	8	946; 976; 1717; 1768; 3030; 3204; 3595; 3622
AcsI	R!AATY	5	629; 845; 1938; 2042; 2053
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	4	813; 1569; 3270; 3702
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	4500
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	8	122; 175; 258; 444; 1636; 3124; 3826; 3905
AdeI	CACNNN!GTG	3	989; 1709; 2240
AfaI	GT!AC	14	219; 244; 299; 332; 383; 540; 647; 783; 1001; 1020; 1104; 1254; 1506; 3430
AfeI	AGC!GCT	3	596; 915; 1028
AfiI	CCNNNNN!NNGG	22	49; 692; 813; 1170; 1283; 1449; 1515; 2136; 2462; 2854; 3105; 3649; 3930; 3962; 4094; 4129; 4179; 4211; 4564; 4843; 5009; 5027
AfIII	C!TTAAG	1	2006
AfIII	A!CRYGT	1	5042
AgeI	A!CCGGT	1	1040
AgsI	TTS!AA	7	1136; 1586; 2535; 2579; 2589; 3002; 4578
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	19	88; 281; 895; 930; 965; 1234; 1282; 1378; 1393; 1522; 2658; 2713; 2730; 3509; 4088; 4191; 4881; 4894; 5015
AjuI	GAANNNNNNNTTGGNNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	1	1053
AlfI	GCANNNNNTGCNNNNNNNNNNNN!	2	2698; 2770
AlfI	!NNNNNNNNNNNGCANNNNNTGCG	2	2664; 2736
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	2	1460; 2206
AloI	!NNNNNNNGGANNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	2	1428; 2174
AluI	AG!CT	19	566; 618; 624; 766; 1073; 1100; 1246; 1553; 1903; 2070; 2327; 2622; 2910; 3230; 3688; 4485; 4742; 4788; 4878
AluBI	AG!CT	19	566; 618; 624; 766; 1073; 1100; 1246; 1553; 1903; 2070; 2327; 2622; 2910; 3230; 3688; 4485; 4742; 4788; 4878
AlwI	GGATCNNNN!	8	1042; 2992; 3303; 3549; 3941; 4300; 4398; 4484
AlwI	!NNNNNGATCC	8	580; 932; 1029; 1594; 3368; 3912; 4299; 4396
Alw21I	GWGCW!C	5	620; 1143; 3237; 3427; 4732
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	5	1680; 2548; 2966; 3985; 4113
Alw44I	G!TGCAC	2	1139; 4728
AlwNI	CAGNN!CTG	3	1726; 4225; 4633
Ama87I	C!YCGRG	1	613
Aor13HI	T!CCGGA	0	
Aor51HI	AGC!GCT	3	596; 915; 1028
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	3	2692; 2764; 4226
ApaLI	G!TGCAC	2	1139; 4728
ApeKI	G!CWGC	19	751; 959; 962; 1258; 1402; 1700; 1900; 2419; 3084; 3185; 3227; 3268; 3361; 3748; 4201; 4427; 4633; 4636; 4701
ApoI	R!AATTY	5	629; 845; 1938; 2042; 2053
ApyPI	ATCGACNNNNNNNNNNNNNNNNNNNN!	1	3639
ApyPI	!NNNNNNNNNNNNNNNNNNNGTCGAT	3	3433; 4086; 4924
AquII	GCCGNACNNNNNNNNNNNNNNNNNNNN!	1	3523
AquII	!NNNNNNNNNNNNNNNNNNNGTNCGGC	1	1234
AquIII	GAGGAGNNNNNNNNNNNNNNNNNNNN!	1	2952
AquIII	!NNNNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNNCTCCYC	1	3694
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNNGTC	0	
ArsI	CRAANNNNNNGTCNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	24	586; 610; 938; 1035; 1424; 1574; 1600; 1782; 2962; 2966; 2985; 3296; 3374; 3455; 3464; 3542; 3918; 3934; 4293; 4305; 4383; 4391; 4402; 4477
AsiGI	A!CCGGT	1	1040
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3242
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	1	645
AspA2I	C!CTAGG	2	2946; 3961
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2390; 2398; 2424; 2446; 2455; 2468; 2499; 3118; 3126; 3190; 3227; 3493; 3753; 3929; 4015; 4418; 4527; 4701; 4801; 4868
AspS9I	G!GNCC	13	83; 276; 800; 1209; 1452; 1544; 1565; 2231; 3640; 4085; 4131; 4189; 4222
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	627; 3806
AsuC2I	CC!SGG	5	1633; 3128; 3288; 3901; 4665
AsuHPI	GGTGANNNNNNNN!	6	376; 722; 894; 1445; 4195; 4311
AsuHPI	!NNNNNNNTCACC	5	917; 1004; 1334; 2241; 3302
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	1	613
AvaII	G!GWCC	3	800; 3640; 4085
AviII	TGC!GCA	1	3226

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AvrII	C!CTAGG	2	2946; 3961
AxyI	CC!TNAGG	3	1318; 2604; 4236
BaeI	ACNNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	7	1116; 1143; 1176; 1753; 3070; 3163; 4732
BalI	TGG!CCA	3	978; 1719; 3206
BamHI	G!GATCC	1	1034
BanI	G!GYRCC	7	465; 645; 1113; 1173; 2277; 3123; 3158
BanII	GRGCY!C	5	620; 699; 2315; 3489; 4199
BanIII	AT!CGAT	1	2964
BarI	GAAGNNNNNTACNNNNNNNNNN!	1	1610
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	1	1578
BasI	CCANNNN!NTGG	0	
BauI	C!ACGAG	3	1704; 3842; 4869
BauI	C!TCGTG	2	1554; 3716
BbeI	GGCGC!C	1	3127
Bbr7I	GAAGACNNNNNN!	3	1365; 1598; 1666
Bbr7I	!NNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	3	1360; 1593; 1661
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	2694; 2766; 3529
BbvI	GCAGCNNNNNNNN!	9	763; 1270; 1712; 1912; 3197; 3239; 3760; 4213; 4713
BbvI	!NNNNNNNNNNGCTGC	8	946; 1389; 2406; 3071; 3255; 3348; 4414; 4620
Bbv12I	GWGCW!C	5	620; 1143; 3237; 3427; 4732
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	8	780; 930; 1017; 1451; 2254; 2818; 3344; 3846
BccI	!NNNNNGATGG	3	2222; 3002; 3430
BceAI	ACGGCNNNNNNNNNN!	7	961; 1271; 1415; 1466; 1532; 3550; 4037
BceAI	!NNNNNNNNNNGCCGT	5	933; 972; 2265; 3083; 4542
BceFI	ACGGCNNNNNNNNNN!	7	961; 1271; 1415; 1466; 1532; 3550; 4037
BceFI	!NNNNNNNNNNGCCGT	5	934; 973; 2266; 3084; 4543
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNGCANNNNNTCG	0	
BcgI	GCANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2553; 3343; 4844
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	5	1633; 3128; 3288; 3901; 4665
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNN!	1	4977
BdaI	!NNNNNNNNNNTGANNNNNNTCA	1	4943
BfaI	C!TAG	9	592; 1738; 1779; 1973; 2391; 2947; 3962; 4296; 4549
BfiI	ACTGGGNNNNN!	1	3073
BfiI	!NNNCCCAGT	2	289; 2825
BfmI	C!TRYAG	4	634; 2459; 4586; 4777
BfoI	RGCGC!Y	7	598; 917; 1030; 2391; 2399; 3127; 4802
BfrI	C!TTAAG	1	2006
BfuI	GTATCCNNNNNN!	3	2553; 3343; 4844
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	2	3392; 3842
BfuAI	!NNNNNNNNGCAGGT	3	788; 870; 3011
BfuCI	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
BglI	GCCNNNN!NGGC	5	90; 212; 283; 1528; 2899
BglII	A!GATCT	1	609

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BisI	GC!NGC	40	734; 752; 755; 960; 963; 1208; 1259; 1403; 1520; 1701; 1768; 1771; 1901; 2420; 2442; 2456; 2894; 3033; 3085; 3096; 3186; 3191; 3228; 3269; 3356; 3359; 3362; 3598; 3694; 3735; 3749; 3863; 4202; 4217; 4428; 4634; 4637; 4702; 4845; 5000
BlnI	C!CTAGG	2	2946; 3961
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	40	735; 753; 756; 961; 964; 1209; 1260; 1404; 1521; 1702; 1769; 1772; 1902; 2421; 2443; 2457; 2895; 3034; 3086; 3097; 3187; 3192; 3229; 3270; 3357; 3360; 3363; 3599; 3695; 3736; 3750; 3864; 4203; 4218; 4429; 4635; 4638; 4703; 4846; 5001
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	3	800; 3640; 4085
Bme1390I	CC!NGG	24	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 1633; 2660; 2715; 2732; 3128; 3288; 3511; 3901; 4090; 4193; 4665; 4883; 4896; 5017
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	1	613
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	13	84; 277; 801; 1210; 1453; 1545; 1566; 2232; 3641; 4086; 4132; 4190; 4223
BmiI	GGN!NCC	20	467; 647; 698; 1036; 1115; 1175; 1566; 2279; 2300; 2312; 2503; 2664; 2736; 3125; 3160; 4008; 4087; 4132; 4975; 5014
BmrI	ACTGGGNNNNN!	1	3073
BmrI	!NNNNCCCAGT	2	289; 2825
BmrFI	CC!NGG	24	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 1633; 2660; 2715; 2732; 3128; 3288; 3511; 3901; 4090; 4193; 4665; 4883; 4896; 5017
BmsI	GCATCNNNNN!	9	847; 883; 1297; 1940; 2703; 2775; 3423; 3487; 3762
BmsI	!NNNNNNNNNGATGC	8	357; 1450; 1489; 1618; 3082; 3337; 3553; 4945
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	1	3073
BmuI	!NNNNCCCAGT	2	289; 2825
BoxI	GACNN!NNGTC	1	1692
BpiI	GAAGACNN!	3	1360; 1593; 1661
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	2913; 3812
BpI	!NNNNNNNGAGNNNNNCTC	2	2881; 3780
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	3964
BpmI	!NNNNNNNNNNNNNNNCTCCAG	3	914; 1377; 3907
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	1030
Bpu14I	TT!CGAA	2	627; 3806
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	3	1360; 1593; 1661
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4418; 4957
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	4	604; 1608; 3500; 4659
BpuMI	CC!SGG	5	1633; 3128; 3288; 3901; 4665
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	2	1680; 4113
Bsa29I	AT!CGAT	1	2964
BsaAI	YAC!GTR	3	340; 2240; 3428
BsaBI	GATNN!NNATC	2	1786; 2983
BsaHI	GR!CGYC	8	122; 175; 258; 444; 1636; 3124; 3826; 3905
BsaJI	C!CNNGG	22	360; 826; 832; 931; 966; 994; 1051; 1147; 1283; 1378; 2658; 2730; 2853; 2888; 2897; 2946; 3287; 3556; 3961; 4089; 4192; 4882
BsaMI	GAATGCN!	1	1875
BsaMI	G!CATTC	1	1968
BsaWI	W!CCGGW	6	600; 1040; 3155; 3999; 4689; 4836
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	2204
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	2174

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsbI	CAACACNNNNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTTG	2	2125; 4032
Bsc4I	CCNNNNN!NNGG	22	49; 692; 813; 1170; 1283; 1449; 1515; 2136; 2462; 2854; 3105; 3649; 3930; 3962; 4094; 4129; 4179; 4211; 4564; 4843; 5009; 5027
BscAI	GCATCNNNN!	9	846; 882; 1296; 1939; 2702; 2774; 3422; 3486; 3761
BscAI	!NNNNNNGATGC	8	360; 1453; 1492; 1621; 3085; 3340; 3556; 4948
BseI	ACTGGN!	4	1663; 3068; 3269; 4515
BseI	C!CAGT	5	295; 2153; 2831; 4627; 4640
Bse8I	GATNN!NNATC	2	1786; 2983
Bse2II	CC!TNAGG	3	1318; 2604; 4236
Bse118I	R!CCGGY	6	813; 1040; 2341; 3443; 3624; 3907
BseAI	T!CCGGA	0	
BseBI	CC!WGG	19	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 2660; 2715; 2732; 3511; 4090; 4193; 4883; 4896; 5017
BseCI	AT!CGAT	1	2964
BseDI	C!CNNGG	22	360; 826; 832; 931; 966; 994; 1051; 1147; 1283; 1378; 2658; 2730; 2853; 2888; 2897; 2946; 3287; 3556; 3961; 4089; 4192; 4882
Bse3DI	GCAATGNN!	1	3357
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	2984; 3441; 3466; 3920
BseGI	!CATCC	5	1143; 1231; 1288; 1443; 2810
BseJI	GATNN!NNATC	2	1786; 2983
BseLI	CCNNNNN!NNGG	22	49; 692; 813; 1170; 1283; 1449; 1515; 2136; 2462; 2854; 3105; 3649; 3930; 3962; 4094; 4129; 4179; 4211; 4564; 4843; 5009; 5027
BseMI	GCAATGNN!	1	3357
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	2	620; 4250
BseMII	!NNNNNNNNCTGAG	6	1309; 2595; 2897; 3778; 4350; 4759
BseNI	ACTGGN!	4	1663; 3068; 3269; 4515
BseNI	C!CAGT	5	295; 2153; 2831; 4627; 4640
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	1	2942
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCMI!C	7	1116; 1143; 1176; 1753; 3070; 3163; 4732
BseXI	GCAGCNNNNNNNN!	9	763; 1270; 1712; 1912; 3197; 3239; 3760; 4213; 4713
BseXI	!NNNNNNNNNNNGCTGC	8	946; 1389; 2406; 3071; 3255; 3348; 4414; 4620
BseX3I	C!GGCCG	3	946; 1768; 3030
BseYI	C!CCAGC	3	2667; 2739; 4738
BseYI	G!CTGGG	2	1480; 3628
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	15	60; 1773; 2048; 2424; 2444; 2468; 2499; 3190; 3491; 3929; 4013; 4076; 4145; 4418; 4999
Bsh1285I	CGRY!CG	5	949; 1045; 1771; 3033; 4708
BshFI	GG!CC	32	84; 277; 831; 948; 978; 1008; 1210; 1453; 1488; 1522; 1545; 1567; 1677; 1719; 1770; 2090; 2232; 2887; 2893; 2902; 2945; 3032; 3206; 3597; 3624; 4133; 4190; 4223; 4568; 5002; 5020; 5031
BshNI	G!GYRCC	7	465; 645; 1113; 1173; 2277; 3123; 3158
BshTI	A!CCGGT	1	1040
BshVI	AT!CGAT	1	2964
BsiEI	CGRY!CG	5	949; 1045; 1771; 3033; 4708
BsiHKAI	GWGCW!C	5	620; 1143; 3237; 3427; 4732
BsiHKCI	C!YCGRG	1	613
BsiSI	C!CGG	20	601; 814; 1041; 1633; 2342; 3029; 3106; 3128; 3156; 3287; 3377; 3444; 3625; 3900; 3908; 4000; 4474; 4664; 4690; 4837
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	22	49; 692; 813; 1170; 1283; 1449; 1515; 2136; 2462; 2854; 3105; 3649; 3930; 3962; 4094; 4129; 4179; 4211; 4564; 4843; 5009; 5027
BsIFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3275; 3807; 3916
BsIFI	!NNNNNNNNNNNNNGTCCC	4	2640; 2712; 2776; 4071
BsmI	GAATGCN!	1	1875

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsmI	G!CATTC	1	1968
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	5	1680; 2548; 2966; 3985; 4113
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3275; 3807; 3916
BsmFI	!NNNNNNNNNNNNNGTCCC	4	2640; 2712; 2776; 4071
BsnI	GG!CC	32	84; 277; 831; 948; 978; 1008; 1210; 1453; 1488; 1522; 1545; 1567; 1677; 1719; 1770; 2090; 2232; 2887; 2893; 2902; 2945; 3032; 3206; 3597; 3624; 4133; 4190; 4223; 4568; 5002; 5020; 5031
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	2	1680; 4113
BsoBI	C!YCGRG	1	613
Bsp13I	T!CCGGA	0	
Bsp19I	C!CATGG	5	360; 832; 1051; 2853; 3556
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 3927
Bsp24I	!NNNNNNCCANNNNNNNGTC	2	4348; 4526
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4380; 4558
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 3895
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	627; 3806
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
Bsp1286I	GDGCH!C	14	620; 699; 1116; 1143; 1176; 1753; 2315; 3070; 3163; 3237; 3427; 3489; 4199; 4732
Bsp1407I	T!GTACA	2	781; 1102
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1372; 1510; 1612; 1771; 2439; 2442; 2456; 2546; 2794; 2806; 2815; 2827; 2837; 2848; 2894; 3033; 3096; 3598; 3643; 3709; 3735; 3860; 3863; 4011; 4143; 4450; 4594; 5090
BspACI	G!CGG	29	370; 403; 528; 708; 733; 1207; 1519; 1561; 1767; 2384; 2411; 2499; 2609; 3190; 3254; 3355; 3358; 3638; 3693; 3791; 3929; 4076; 4216; 4459; 4704; 4825; 4844; 4971; 4999
BspCNI	CTCAGNNNNNNNN!	2	619; 4249
BspCNI	!NNNNNNCTGAG	6	1310; 2596; 2898; 3779; 4351; 4760
BspDI	AT!CGAT	1	2964
BspD6I	GACTCNNNN!	6	418; 612; 1783; 2197; 3803; 4680
BspD6I	!NNNNNGAGTC	3	1332; 2160; 2592
BspEI	T!CCGGA	0	
BspFNI	CG!CG	15	60; 1773; 2048; 2424; 2444; 2468; 2499; 3190; 3491; 3929; 4013; 4076; 4145; 4418; 4999
BspHI	T!CATGA	3	841; 2550; 4322
BspLI	GGN!NCC	20	467; 647; 698; 1036; 1115; 1175; 1566; 2279; 2300; 2312; 2503; 2664; 2736; 3125; 3160; 4008; 4087; 4132; 4975; 5014
BspMI	ACCTGCNNNN!	2	3392; 3842
BspMI	!NNNNNNNGCAGGT	3	788; 870; 3011
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	8	1042; 2992; 3303; 3549; 3941; 4300; 4398; 4484
BspPI	!NNNNNGATCC	8	580; 932; 1029; 1594; 3368; 3912; 4299; 4396
BspQI	GCTCTTCN!	0	
BspQI	!NNNNGAAGAGC	3	1063; 3468; 3678
BspTI	C!TTAAG	1	2006
BspT104I	TT!CGAA	2	627; 3806
BspT107I	G!GYRCC	7	465; 645; 1113; 1173; 2277; 3123; 3158
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	2	1680; 4113
BsrI	ACTGGN!	4	1663; 3068; 3269; 4515
BsrI	C!CAGT	5	295; 2153; 2831; 4627; 4640
BsrBI	CCG!CTC	2	2548; 3737
BsrBI	GAG!CGG	3	1767; 2384; 3791
BsrDI	GCAATGNN!	1	3357
BsrDI	!CATTGC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrFI	R!CCGGY	6	813; 1040; 2341; 3443; 3624; 3907
BsrGI	T!GTACA	2	781; 1102
BsrSI	ACTGGN!	4	1663; 3068; 3269; 4515
BsrSI	C!CAGT	5	295; 2153; 2831; 4627; 4640
BssAI	R!CCGGY	6	813; 1040; 2341; 3443; 3624; 3907
BssECI	C!CNNGG	22	360; 826; 832; 931; 966; 994; 1051; 1147; 1283; 1378; 2658; 2730; 2853; 2888; 2897; 2946; 3287; 3556; 3961; 4089; 4192; 4882
BssHII	G!CGCGC	0	
BssKI	!CCNGG	24	88; 281; 895; 930; 965; 1234; 1282; 1378; 1393; 1522; 1631; 2658; 2713; 2730; 3126; 3286; 3509; 3899; 4088; 4191; 4663; 4881; 4894; 5015
BssMI	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
BssNI	GR!CGYC	8	122; 175; 258; 444; 1636; 3124; 3826; 3905
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	1704; 3842; 4869
BssSI	C!TCGTG	2	1554; 3716
BssTII	C!CWWGG	8	360; 826; 832; 1051; 2853; 2946; 3556; 3961
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	4	1063; 2591; 3468; 3678
Bst98I	C!TTAAG	1	2006
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 1636; 3124; 3826; 3905
BstAFI	C!TTAAG	1	2006
BstAPI	GCANNNN!NTGC	3	2691; 2763; 4225
BstAUI	T!GTACA	2	781; 1102
BstBI	TT!CGAA	2	627; 3806
Bst2BI	C!ACGAG	3	1704; 3842; 4869
Bst2BI	C!TCGTG	2	1554; 3716
BstBAI	YAC!GTR	3	340; 2240; 3428
Bst4CI	ACN!GT	15	76; 198; 269; 543; 581; 645; 1118; 2215; 3504; 3620; 3728; 4051; 4542; 5012; 5083
BstC8I	GCN!NGC	33	86; 279; 593; 667; 747; 957; 985; 1161; 1365; 2343; 2386; 2400; 2673; 2692; 2745; 2764; 3018; 3204; 3423; 3489; 3495; 3527; 3568; 3572; 3626; 3909; 4096; 4143; 4199; 4221; 4432; 4992; 5029
BstDEI	C!TNAG	13	606; 715; 1003; 1030; 1060; 1318; 1615; 2604; 2906; 3787; 4236; 4359; 4768
BstDSI	C!CRYGG	5	360; 832; 1051; 2853; 3556
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	2984; 3441; 3466; 3920
BstF5I	!CATCC	5	1143; 1231; 1288; 1443; 2810
BstFNI	CG!CG	15	60; 1773; 2048; 2424; 2444; 2468; 2499; 3190; 3491; 3929; 4013; 4076; 4145; 4418; 4999
BstH2I	RGCGC!Y	7	598; 917; 1030; 2391; 2399; 3127; 4802
BstHHI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2390; 2398; 2424; 2446; 2455; 2468; 2499; 3118; 3126; 3190; 3227; 3493; 3753; 3929; 4015; 4418; 4527; 4701; 4801; 4868
BstKTI	GAT!C	24	588; 612; 940; 1037; 1426; 1576; 1602; 1784; 2964; 2968; 2987; 3298; 3376; 3457; 3466; 3544; 3920; 3936; 4295; 4307; 4385; 4393; 4404; 4479
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	5	1680; 2548; 2966; 3985; 4113
BstMBI	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
BstMCI	CGRY!CG	5	949; 1045; 1771; 3033; 4708
BstMWI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1097; 1528; 2351; 2381; 2408; 2450; 2691; 2763; 2814; 2893; 3115; 3199; 3222; 3361; 3484; 3567; 3834; 4021; 4225; 4424; 4996
BstNI	CC!WGG	19	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 2660; 2715; 2732; 3511; 4090; 4193; 4883; 4896; 5017
BstNSI	RCATG!Y	5	1091; 2694; 2766; 3529; 5046

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstOI	CC!WGG	19	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 2660; 2715; 2732; 3511; 4090; 4193; 4883; 4896; 5017
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	1	1692
BstSCI	!CCNGG	24	88; 281; 895; 930; 965; 1234; 1282; 1378; 1393; 1522; 1631; 2658; 2713; 2730; 3126; 3286; 3509; 3899; 4088; 4191; 4663; 4881; 4894; 5015
BstSFI	C!TRYAG	4	634; 2459; 4586; 4777
BstSLI	GKGCMLC	7	1116; 1143; 1176; 1753; 3070; 3163; 4732
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	15	60; 1773; 2048; 2424; 2444; 2468; 2499; 3190; 3491; 3929; 4013; 4076; 4145; 4418; 4999
Bst2UI	CC!WGG	19	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 2660; 2715; 2732; 3511; 4090; 4193; 4883; 4896; 5017
BstV1I	GCAGCNNNNNNNN!	9	763; 1270; 1712; 1912; 3197; 3239; 3760; 4213; 4713
BstV1I	!NNNNNNNNNNNGCTGC	8	946; 1389; 2406; 3071; 3255; 3348; 4414; 4620
BstV2I	GAAGACNN!	3	1360; 1593; 1661
BstV2I	!NNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	1	833
BstX2I	R!GATCY	12	585; 609; 937; 1034; 1599; 3295; 3541; 3933; 4292; 4304; 4390; 4401
BstYI	R!GATCY	12	585; 609; 937; 1034; 1599; 3295; 3541; 3933; 4292; 4304; 4390; 4401
BstZI	C!GGCCG	3	946; 1768; 3030
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2553; 3343; 4844
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	2964
Bsu36I	CC!TNAGG	3	1318; 2604; 4236
BsuRI	GG!CC	32	84; 277; 831; 948; 978; 1008; 1210; 1453; 1488; 1522; 1545; 1567; 1677; 1719; 1770; 2090; 2232; 2887; 2893; 2902; 2945; 3032; 3206; 3597; 3624; 4133; 4190; 4223; 4568; 5002; 5020; 5031
BsuTUI	AT!CGAT	1	2964
BtgI	C!CRYGG	5	360; 832; 1051; 2853; 3556
BtgZI	GCGATGNNNNNNNNNN!	2	2241; 3576
BtgZI	!NNNNNNNNNNNNNCATCGC	4	334; 860; 3395; 3739
BthCI	GCNG!C	40	736; 754; 757; 962; 965; 1210; 1261; 1405; 1522; 1703; 1770; 1773; 1903; 2422; 2444; 2458; 2896; 3035; 3087; 3098; 3188; 3193; 3230; 3271; 3358; 3361; 3364; 3600; 3696; 3737; 3751; 3865; 4204; 4219; 4430; 4636; 4639; 4704; 4847; 5002
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	1963
BtsCI	GGATGNN!	4	2984; 3441; 3466; 3920
BtsCI	!CATCC	5	1143; 1231; 1288; 1443; 2810
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	3392; 3842
BveI	!NNNNNNNNNGCAGGT	3	788; 870; 3011
Cac8I	GCN!NGC	33	86; 279; 593; 667; 747; 957; 985; 1161; 1365; 2343; 2386; 2400; 2673; 2692; 2745; 2764; 3018; 3204; 3423; 3489; 3495; 3527; 3568; 3572; 3626; 3909; 4096; 4143; 4199; 4221; 4432; 4992; 5029
CaiI	CAGNNN!CTG	3	1726; 4225; 4633
CciI	T!CATGA	3	841; 2550; 4322
CciNI	GC!GGCCGC	1	1768
CdiI	CATC!G	6	352; 878; 3413; 3418; 3616; 3757
CdiI	C!GATG	2	2227; 3562
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNNNN!	1	4996
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 2785; 2827
CelII	GC!TNAGC	0	
CfoI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2390; 2398; 2424; 2446; 2455; 2468; 2499; 3118; 3126; 3190; 3227; 3493; 3753; 3929; 4015; 4418; 4527; 4701; 4801; 4868
CfrI	Y!GGCCR	8	946; 976; 1717; 1768; 3030; 3204; 3595; 3622
Cfr9I	C!CCGGG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Cfr10I	R!CCGGY	6	813; 1040; 2341; 3443; 3624; 3907
Cfr13I	G!GNCC	13	83; 276; 800; 1209; 1452; 1544; 1565; 2231; 3640; 4085; 4131; 4189; 4222
Cfr42I	CCGC!GG	0	
ChaI	GATC!	24	589; 613; 941; 1038; 1427; 1577; 1603; 1785; 2965; 2969; 2988; 3299; 3377; 3458; 3467; 3545; 3921; 3937; 4296; 4308; 4386; 4394; 4405; 4480
CjeI	CCANNNNNNGTNNNNNNNNNNNNNNN!	5	1155; 2941; 4381; 4481; 4559
CjeI	!NNNNNNNNNACNNNNNNNTGG	7	64; 257; 2608; 2703; 3895; 4445; 5000
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 2642; 2737; 3929; 4479; 5034
CjeI	!NNNNNNNNCCANNNNNNGT	5	1121; 2907; 4347; 4447; 4525
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	2	4381; 4559
CjePI	!NNNNNNNNGANNNNNNNTGG	5	257; 1180; 1525; 3895; 4494
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	5	290; 1213; 1558; 3928; 4527
CjePI	!NNNNNNNNCCANNNNNNNNTC	2	4348; 4526
Clal	AT!CGAT	1	2964
CpoI	CG!GWCCG	1	3640
CseI	GACGCNNNNN!	3	526; 3834; 3913
CseI	!NNNNNNNNNGCGTC	4	1625; 2457; 4352; 4930
CsiI	A!CCWGGT	1	2713
CspI	CG!GWCCG	1	3640
Csp6I	G!TAC	14	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1103; 1253; 1505; 3429
Csp45I	TT!CGAA	2	627; 3806
CspAI	A!CCGGT	1	1040
CspCI	CAANNNNNGTGGNNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGGNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNN!	5	784; 1105; 1696; 2404; 4013
CstMI	!NNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	26	301; 361; 656; 833; 842; 1052; 1088; 1094; 1106; 1184; 1250; 1330; 1541; 2551; 2691; 2763; 2854; 2995; 3340; 3526; 3557; 3583; 3939; 4323; 5043; 5094
CviJI	RG!CY	102	42; 84; 93; 277; 566; 618; 624; 665; 697; 754; 766; 831; 888; 948; 978; 1008; 1073; 1100; 1163; 1210; 1239; 1246; 1324; 1390; 1402; 1453; 1480; 1488; 1522; 1545; 1553; 1567; 1677; 1713; 1719; 1770; 1793; 1903; 2070; 2090; 2232; 2313; 2327; 2341; 2622; 2663; 2735; 2858; 2887; 2893; 2902; 2910; 2933; 2945; 2951; 3032; 3049; 3057; 3084; 3109; 3193; 3202; 3206; 3230; 3268; 3344; 3361; 3380; 3443; 3487; 3497; 3514; 3597; 3624; 3628; 3665; 3688; 3704; 3884; 3911; 3972; 4094; 4133; 4190; 4197; 4204; 4223; 4234; 4485; 4514; 4557; 4568; 4633; 4712; 4737; 4742; 4788; 4878; 4976; 5002; 5020; 5031
CviKI-1	RG!CY	102	42; 84; 93; 277; 566; 618; 624; 665; 697; 754; 766; 831; 888; 948; 978; 1008; 1073; 1100; 1163; 1210; 1239; 1246; 1324; 1390; 1402; 1453; 1480; 1488; 1522; 1545; 1553; 1567; 1677; 1713; 1719; 1770; 1793; 1903; 2070; 2090; 2232; 2313; 2327; 2341; 2622; 2663; 2735; 2858; 2887; 2893; 2902; 2910; 2933; 2945; 2951; 3032; 3049; 3057; 3084; 3109; 3193; 3202; 3206; 3230; 3268; 3344; 3361; 3380; 3443; 3487; 3497; 3514; 3597; 3624; 3628; 3665; 3688; 3704; 3884; 3911; 3972; 4094; 4133; 4190; 4197; 4204; 4223; 4234; 4485; 4514; 4557; 4568; 4633; 4712; 4737; 4742; 4788; 4878; 4976; 5002; 5020; 5031
CviQI	G!TAC	14	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1103; 1253; 1505; 3429
DdeI	C!TNAG	13	606; 715; 1003; 1030; 1060; 1318; 1615; 2604; 2906; 3787; 4236; 4359; 4768
DinI	GGC!GCC	1	3125
DpnI	GA!TC	24	587; 611; 939; 1036; 1425; 1575; 1601; 1783; 2963; 2967; 2986; 3297; 3375; 3456; 3465; 3543; 3919; 3935; 4294; 4306; 4384; 4392; 4403; 4478
DpnII	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
DraI	TTT!AAA	3	1826; 4268; 4287
DraII	RG!GNCCY	1	4222
DraIII	CACNNN!GTG	3	989; 1709; 2240

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNNNN!	4	266; 1006; 1042; 4604
DraRI	!NNNNNNNNNNNNNNNNNNNGTCTTG	0	
DrdI	GACNNN!NNGTC	3	2195; 3151; 4940
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	2195; 3151; 4940
EaeI	Y!GGCCR	8	946; 976; 1717; 1768; 3030; 3204; 3595; 3622
EagI	C!GGCCG	3	946; 1768; 3030
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	1063; 2591; 3468; 3678
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	1063; 2591; 3468; 3678
EciI	GGCGGANNNNNNNNNNNN!	4	2624; 3653; 4840; 4986
EciI	!NNNNNNNNNTCCGCC	4	496; 2795; 2816; 2837
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	3	946; 1768; 3030
Eco24I	GRGCY!C	5	620; 699; 2315; 3489; 4199
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	2	1680; 4113
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	3	800; 3640; 4085
Eco47III	AGC!GCT	3	596; 915; 1028
Eco52I	C!GGCCG	3	946; 1768; 3030
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	4	813; 1569; 3270; 3702
Eco57I	!NNNNNNNNNNNNNCTTCAG	1	4500
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	3	1318; 2604; 4236
Eco88I	C!YCGRG	1	613
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	8	360; 826; 832; 1051; 2853; 2946; 3556; 3961
Eco147I	AGG!CCT	2	1488; 2945
EcoHI	!CCSGG	5	1631; 3126; 3286; 3899; 4663
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	5	813; 1569; 3270; 3702; 3964
Eco57MI	!NNNNNNNNNNNNNCTYCAG	4	914; 1377; 3907; 4500
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	1	4222
EcoRI	G!AATTC	2	629; 845
EcoRII	!CCWGG	19	88; 281; 895; 930; 965; 1234; 1282; 1378; 1393; 1522; 2658; 2713; 2730; 3509; 4088; 4191; 4881; 4894; 5015
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	8	360; 826; 832; 1051; 2853; 2946; 3556; 3961
EcoT22I	ATGCA!T	3	2696; 2768; 5099
EcoT38I	GRGCY!C	5	620; 699; 2315; 3489; 4199
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	1	3125
EheI	GGC!GCC	1	3125
ErhI	C!CWWGG	8	360; 826; 832; 1051; 2853; 2946; 3556; 3961
EsaBC3I	TC!GA	19	615; 628; 641; 869; 919; 1202; 1229; 1697; 2274; 2965; 3238; 3394; 3418; 3454; 3616; 3807; 3852; 4107; 4945
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	26	304; 364; 659; 836; 845; 1055; 1091; 1097; 1109; 1187; 1253; 1333; 1544; 2554; 2694; 2766; 2857; 2998; 3343; 3529; 3560; 3586; 3942; 4326; 5046; 5097
Fail	YA!TR	66	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 657; 778; 834; 843; 1053; 1089; 1095; 1107; 1185; 1251; 1331; 1349; 1542; 1595; 1645; 1786; 1796; 1862; 1907; 2112; 2540; 2552; 2683; 2692; 2755; 2764; 2788; 2855; 2879; 2996; 3060; 3341; 3366; 3527; 3558; 3584; 3656; 3872; 3940; 4018; 4070; 4231; 4248; 4250; 4252; 4324; 4602; 4791; 4907; 4980; 5044; 5095

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FalI	AAGNNNNCTTNNNNNNNNNNNN!	2	1328; 3464
FalI	!NNNNNNNNAAGNNNNNNCTT	2	1296; 3432
FaqI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3275; 3807; 3916
FaqI	!NNNNNNNNNNNNNGTCCC	4	2640; 2712; 2776; 4071
FatI	!CATG	26	300; 360; 655; 832; 841; 1051; 1087; 1093; 1105; 1183; 1249; 1329; 1540; 2550; 2690; 2762; 2853; 2994; 3339; 3525; 3556; 3582; 3938; 4322; 5042; 5093
FauI	CCC GCNNNN!	12	93; 119; 286; 689; 900; 1517; 1619; 2446; 2801; 2822; 4018; 4150
FauI	!NNNNNNGCGGG	6	1554; 2377; 3247; 3784; 3922; 4069
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	0	
FblI	GT!MKAC	2	640; 1639
FmuI	GGNC!C	13	86; 279; 803; 1212; 1455; 1547; 1568; 2234; 3643; 4088; 4134; 4192; 4225
Fnu4HI	GC!NGC	40	734; 752; 755; 960; 963; 1208; 1259; 1403; 1520; 1701; 1768; 1771; 1901; 2420; 2442; 2456; 2894; 3033; 3085; 3096; 3186; 3191; 3228; 3269; 3356; 3359; 3362; 3598; 3694; 3735; 3749; 3863; 4202; 4217; 4428; 4634; 4637; 4702; 4845; 5000
FokI	GGATGNNNNNNNNNN!	4	2991; 3448; 3473; 3927
FokI	!NNNNNNNNNNNNNCATCC	5	1130; 1218; 1275; 1430; 2797
FriOI	GRGCY!C	5	620; 699; 2315; 3489; 4199
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3226
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	9	592; 1738; 1779; 1973; 2391; 2947; 3962; 4296; 4549
FspEI	CCNNNNNNNNNNNN!	171	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 662; 679; 694; 713; 768; 785; 816; 839; 905; 935; 954; 969; 992; 1007; 1022; 1037; 1051; 1130; 1160; 1177; 1191; 1224; 1238; 1256; 1280; 1295; 1325; 1358; 1385; 1400; 1419; 1455; 1502; 1521; 1536; 1559; 1581; 1604; 1624; 1645; 1691; 1733; 1749; 1784; 1807; 1846; 1860; 2001; 2096; 2120; 2143; 2166; 2184; 2206; 2227; 2246; 2265; 2294; 2315; 2329; 2355; 2443; 2469; 2518; 2559; 2577; 2616; 2632; 2670; 2727; 2742; 2799; 2819; 2833; 2850; 2864; 2901; 2916; 2959; 3042; 3109; 3140; 3160; 3175; 3220; 3234; 3300; 3314; 3333; 3349; 3390; 3410; 3457; 3507; 3523; 3543; 3568; 3588; 3611; 3638; 3656; 3682; 3722; 3748; 3772; 3828; 3842; 3870; 3913; 3934; 3969; 4013; 4101; 4125; 4147; 4167; 4183; 4204; 4218; 4237; 4321; 4341; 4369; 4384; 4418; 4460; 4487; 4502; 4547; 4571; 4585; 4607; 4633; 4653; 4677; 4703; 4751; 4770; 4789; 4815; 4850; 4895; 4925; 4939; 4990; 5004; 5029; 5045; 5066; 5095
FspEI	!NNNNNNNNNNNNNNNGG	140	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 628; 678; 702; 744; 771; 799; 819; 865; 917; 952; 981; 1017; 1038; 1065; 1092; 1134; 1155; 1179; 1221; 1240; 1269; 1305; 1342; 1365; 1384; 1414; 1435; 1462; 1501; 1527; 1546; 1618; 1644; 1692; 1731; 1752; 1795; 1895; 1964; 1994; 2072; 2121; 2143; 2171; 2207; 2252; 2281; 2317; 2336; 2364; 2384; 2447; 2470; 2578; 2610; 2628; 2657; 2700; 2729; 2840; 2869; 2912; 2933; 2961; 2994; 3014; 3039; 3066; 3091; 3113; 3141; 3167; 3188; 3239; 3260; 3278; 3326; 3362; 3418; 3443; 3467; 3496; 3519; 3543; 3569; 3591; 3610; 3635; 3675; 3711; 3776; 3861; 3885; 3914; 3948; 3969; 3989; 4034; 4061; 4080; 4113; 4165; 4196; 4223; 4275; 4373; 4444; 4489; 4550; 4615; 4649; 4675; 4693; 4729; 4799; 4822; 4844; 4868; 4901; 4949; 4984; 5002; 5059
Fsp4HI	GC!NGC	40	734; 752; 755; 960; 963; 1208; 1259; 1403; 1520; 1701; 1768; 1771; 1901; 2420; 2442; 2456; 2894; 3033; 3085; 3096; 3186; 3191; 3228; 3269; 3356; 3359; 3362; 3598; 3694; 3735; 3749; 3863; 4202; 4217; 4428; 4634; 4637; 4702; 4845; 5000
GdiII	C!GGCCR	3	946; 1768; 3030
GdiII	Y!GGCCG	5	946; 1768; 3030; 3595; 3622
GlaI	GC!GC	29	596; 721; 744; 750; 873; 901; 915; 954; 1028; 2389; 2397; 2423; 2445; 2454; 2467; 2498; 3117; 3125; 3189; 3226; 3492; 3752; 3928; 4014; 4417; 4526; 4700; 4800; 4867
GluI	GC!NGC	40	734; 752; 755; 960; 963; 1208; 1259; 1403; 1520; 1701; 1768; 1771; 1901; 2420; 2442; 2456; 2894; 3033; 3085; 3096; 3186; 3191; 3228; 3269; 3356; 3359; 3362; 3598; 3694; 3735; 3749; 3863; 4202; 4217; 4428; 4634; 4637; 4702; 4845; 5000

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
GsaI	CCCAG!C	3	2671; 2743; 4742
GsaI	GCTGG!G	2	1484; 3632
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	3964
GsuI	!NNNNNNNNNNNNNNNNCTCCAG	3	914; 1377; 3907
HaeI	WGG!CCW	10	831; 978; 1008; 1488; 1719; 2945; 3206; 4568; 5020; 5031
HaeII	RGCGC!Y	7	598; 917; 1030; 2391; 2399; 3127; 4802
HaeIII	GG!CC	32	84; 277; 831; 948; 978; 1008; 1210; 1453; 1488; 1522; 1545; 1567; 1677; 1719; 1770; 2090; 2232; 2887; 2893; 2902; 2945; 3032; 3206; 3597; 3624; 4133; 4190; 4223; 4568; 5002; 5020; 5031
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	2	1799; 3320
HaeIV	!NNNNNNNNNGAYNNNNNRTC	2	1765; 3286
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	2	1798; 3319
HaeIV	!NNNNNNNGAYNNNNNRTC	2	1767; 3288
HapII	C!CGG	20	601; 814; 1041; 1633; 2342; 3029; 3106; 3128; 3156; 3287; 3377; 3444; 3625; 3900; 3908; 4000; 4474; 4664; 4690; 4837
HgaI	GACGCNNNNN!	3	526; 3834; 3913
HgaI	!NNNNNNNNNGCGTC	4	1625; 2457; 4352; 4930
HhaI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2390; 2398; 2424; 2446; 2455; 2468; 2499; 3118; 3126; 3190; 3227; 3493; 3753; 3929; 4015; 4418; 4527; 4701; 4801; 4868
HinI	GR!CGYC	8	122; 175; 258; 444; 1636; 3124; 3826; 3905
Hin1III	CATG!	26	304; 364; 659; 836; 845; 1055; 1091; 1097; 1109; 1187; 1253; 1333; 1544; 2554; 2694; 2766; 2857; 2998; 3343; 3529; 3560; 3586; 3942; 4326; 5046; 5097
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	2	1798; 3319
Hin4I	!NNNNNNNGABNNNNNRTC	3	1766; 3287; 3317
Hin4I	GABNNNNNRTCNNNNNNNNNNNN!	3	1798; 3319; 3349
Hin4I	!NNNNNNNGAYNNNNNVTC	2	1766; 3287
Hin6I	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2388; 2396; 2422; 2444; 2453; 2466; 2497; 3116; 3124; 3188; 3225; 3491; 3751; 3927; 4013; 4416; 4525; 4699; 4799; 4866
HinP1I	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2388; 2396; 2422; 2444; 2453; 2466; 2497; 3116; 3124; 3188; 3225; 3491; 3751; 3927; 4013; 4416; 4525; 4699; 4799; 4866
HincII	GTY!RAC	2	641; 1887
HindII	GTY!RAC	2	641; 1887
HindIII	A!AGCTT	1	622
HinfI	G!ANTC	16	410; 604; 1189; 1339; 1666; 1775; 2167; 2189; 2599; 3609; 3743; 3795; 3853; 3890; 4672; 5068
HpaI	GTT!AAC	1	1887
HpaII	C!CGG	20	601; 814; 1041; 1633; 2342; 3029; 3106; 3128; 3156; 3287; 3377; 3444; 3625; 3900; 3908; 4000; 4474; 4664; 4690; 4837
HphI	GGTGANNNNNNNN!	6	376; 722; 894; 1445; 4195; 4311
HphI	!NNNNNNNTCACC	5	917; 1004; 1334; 2241; 3302
Hpy8I	GTN!NAC	18	201; 539; 577; 641; 782; 803; 857; 1021; 1121; 1141; 1436; 1640; 1649; 1887; 2171; 2188; 2243; 4730
Hpy99I	CGWCG!	9	645; 1698; 3214; 3242; 3536; 3551; 3828; 4213; 4946
Hpy166II	GTN!NAC	18	201; 539; 577; 641; 782; 803; 857; 1021; 1121; 1141; 1436; 1640; 1649; 1887; 2171; 2188; 2243; 4730
Hpy188I	TCN!GA	16	585; 609; 793; 995; 1148; 1428; 2298; 2907; 3091; 3435; 3788; 3889; 4368; 4502; 4855; 4933
Hpy188III	TC!NNGA	25	613; 842; 941; 1421; 1625; 1779; 2551; 2603; 2916; 2969; 3142; 3458; 3467; 3550; 3606; 3650; 3740; 3773; 3842; 4323; 4397; 4480; 4578; 4676; 4810
HpyAV	CCTTCNNNNNN!	6	1229; 1277; 1322; 3769; 3876; 4555
HpyAV	!NNNNNGAAGG	10	698; 1149; 1521; 2357; 3252; 3981; 3997; 4180; 4497; 4807
HpyCH4III	ACN!GT	15	76; 198; 269; 543; 581; 645; 1118; 2215; 3504; 3620; 3728; 4051; 4542; 5012; 5083
HpyCH4IV	A!CGT	16	122; 134; 175; 258; 339; 444; 1417; 1693; 2184; 2196; 2239; 2349; 3240; 3427; 4208; 4341
HpyCH4V	TG!CA	21	636; 1091; 1141; 1463; 1579; 1873; 1900; 1968; 2685; 2694; 2757; 2766; 2881; 2957; 3016; 3175; 3350; 3364; 4434; 4730; 5097
HpyF3I	C!TNAG	13	606; 715; 1003; 1030; 1060; 1318; 1615; 2604; 2906; 3787; 4236; 4359; 4768

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HpyF10VI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1097; 1528; 2351; 2381; 2408; 2450; 2691; 2763; 2814; 2893; 3115; 3199; 3222; 3361; 3484; 3567; 3834; 4021; 4225; 4424; 4996
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 1636; 3124; 3826; 3905
Hsp92II	CATG!	26	304; 364; 659; 836; 845; 1055; 1091; 1097; 1109; 1187; 1253; 1333; 1544; 2554; 2694; 2766; 2857; 2998; 3343; 3529; 3560; 3586; 3942; 4326; 5046; 5097
HspAI	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2388; 2396; 2422; 2444; 2453; 2466; 2497; 3116; 3124; 3188; 3225; 3491; 3751; 3927; 4013; 4416; 4525; 4699; 4799; 4866
KasI	G!GCGCC	1	3123
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	1	649
Kpn2I	T!CCGGA	0	
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	0	
KspAI	GTT!AAC	1	1887
Kzo9I	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	3	1063; 3468; 3678
LpnI	RGCI!GCY	7	596; 915; 1028; 2389; 2397; 3125; 4800
LpnPI	CCDGNNNNNNNNN!	66	102; 295; 614; 673; 820; 909; 944; 969; 1037; 1054; 1191; 1248; 1296; 1330; 1392; 1407; 1468; 1536; 1560; 1584; 1646; 1733; 1861; 2166; 2355; 2578; 2616; 2632; 2672; 2727; 2744; 2844; 2929; 3042; 3119; 3141; 3164; 3300; 3314; 3333; 3390; 3457; 3507; 3523; 3580; 3638; 3847; 3913; 3937; 4013; 4102; 4205; 4238; 4469; 4487; 4633; 4653; 4677; 4703; 4752; 4850; 4895; 4925; 5004; 5029; 5066
LpnPI	!NNNNNNNNNNNNNCHGG	58	75; 268; 552; 586; 783; 865; 917; 952; 1026; 1221; 1269; 1365; 1466; 1509; 1618; 1644; 1731; 2207; 2327; 2384; 2447; 2645; 2657; 2717; 2729; 2961; 3006; 3049; 3091; 3113; 3141; 3188; 3250; 3272; 3362; 3429; 3452; 3496; 3591; 3610; 3635; 3784; 3885; 3928; 3985; 4075; 4178; 4205; 4223; 4459; 4496; 4649; 4675; 4815; 4833; 4868; 4949; 5002
Lsp1109I	GCAGCNNNNNNNN!	9	763; 1270; 1712; 1912; 3197; 3239; 3760; 4213; 4713
Lsp1109I	!NNNNNNNNNNNGCTGC	8	946; 1389; 2406; 3071; 3255; 3348; 4414; 4620
LweI	GCATCNNNNN!	9	847; 883; 1297; 1940; 2703; 2775; 3423; 3487; 3762
LweI	!NNNNNNNNNGATGC	8	357; 1450; 1489; 1618; 3082; 3337; 3553; 4945
MabI	A!CCWGGT	1	2713
MaeI	C!TAG	9	592; 1738; 1779; 1973; 2391; 2947; 3962; 4296; 4549
MaeII	A!CGT	16	122; 134; 175; 258; 339; 444; 1417; 1693; 2184; 2196; 2239; 2349; 3240; 3427; 4208; 4341
MaeIII	!GTNAC	14	61; 148; 497; 710; 1340; 1912; 2413; 2425; 3244; 3550; 4240; 4506; 4622; 4685
MalI	GA!TC	24	587; 611; 939; 1036; 1425; 1575; 1601; 1783; 2963; 2967; 2986; 3297; 3375; 3456; 3465; 3543; 3919; 3935; 4294; 4306; 4384; 4392; 4403; 4478
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2548; 3737
MbiI	GAG!CGG	3	1767; 2384; 3791
MboI	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
MboII	GAAGANNNNNNNN!	11	737; 1080; 1365; 1478; 1598; 1666; 2380; 2608; 3485; 3695; 4314
MboII	!NNNNNNNTCTTC	4	3775; 3942; 4142; 4385
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	1874
MfII	R!GATCY	12	585; 609; 937; 1034; 1599; 3295; 3541; 3933; 4292; 4304; 4390; 4401
MhII	GDGCH!C	14	620; 699; 1116; 1143; 1176; 1753; 2315; 3070; 3163; 3237; 3427; 3489; 4199; 4732
MisI	TGG!CCA	3	978; 1719; 3206

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MluI	A!CGCGT	0	
MluNI	TGG!CCA	3	978; 1719; 3206
MlyI	GAGTCNNNNN!	3	1348; 2176; 2608
MlyI	!NNNNNGACTC	6	404; 598; 1769; 2183; 3789; 4666
Mly113I	GG!CGCC	1	3124
MmeI	TCCRACNNNNNNNNNNNNNNNNNN!	2	1471; 2217
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	2	4649; 4833
MnI	CCTCNNNNNN!	14	938; 1222; 1401; 1416; 1499; 1632; 1743; 1843; 2907; 3725; 3931; 4245; 4615; 4939
MnI	!NNNNNGAGG	24	541; 878; 989; 1103; 1142; 1163; 1196; 1313; 1422; 1478; 1667; 1700; 1803; 2268; 2599; 2877; 2920; 2935; 2975; 3039; 3175; 3532; 3962; 4865
Mph1103I	ATGCA!T	3	2696; 2768; 5099
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	0	
MroNI	G!CCGGC	3	2341; 3624; 3907
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	3	978; 1719; 3206
MseI	T!TAA	18	7; 1078; 1303; 1759; 1825; 1886; 2007; 2028; 2039; 2051; 2062; 2079; 2177; 2448; 4267; 4281; 4286; 4338
MsII	CAYNN!NNRTG	6	365; 777; 1053; 1092; 1497; 3561
MspI	C!CGG	20	601; 814; 1041; 1633; 2342; 3029; 3106; 3128; 3156; 3287; 3377; 3444; 3625; 3900; 3908; 4000; 4474; 4664; 4690; 4837
Msp20I	TGG!CCA	3	978; 1719; 3206
MspA1I	CMG!CKG	5	1512; 2622; 3230; 4459; 4704
MspCI	C!TTAAG	1	2006
MspJI	CNNRRNNNNNNNN!	261	36; 50; 71; 97; 113; 127; 147; 167; 219; 236; 251; 290; 306; 319; 332; 352; 373; 407; 424; 449; 481; 500; 523; 548; 574; 596; 613; 627; 640; 668; 682; 698; 712; 727; 749; 762; 797; 810; 826; 839; 854; 881; 904; 923; 943; 962; 978; 991; 1006; 1027; 1042; 1064; 1079; 1100; 1118; 1148; 1166; 1181; 1196; 1214; 1247; 1262; 1290; 1305; 1329; 1342; 1358; 1376; 1390; 1406; 1419; 1433; 1454; 1467; 1488; 1507; 1521; 1535; 1553; 1566; 1583; 1604; 1623; 1637; 1664; 1682; 1702; 1716; 1732; 1749; 1764; 1784; 1797; 1812; 1831; 1848; 1861; 1902; 1916; 1929; 1947; 1985; 2000; 2018; 2059; 2083; 2103; 2121; 2142; 2165; 2197; 2212; 2234; 2252; 2265; 2286; 2303; 2316; 2329; 2345; 2358; 2388; 2403; 2428; 2446; 2459; 2474; 2498; 2512; 2536; 2561; 2577; 2615; 2631; 2670; 2684; 2698; 2726; 2742; 2756; 2770; 2799; 2812; 2833; 2842; 2864; 2894; 2910; 2928; 2958; 2981; 3005; 3029; 3048; 3076; 3102; 3118; 3131; 3154; 3168; 3188; 3201; 3215; 3234; 3248; 3261; 3277; 3292; 3305; 3321; 3336; 3352; 3377; 3396; 3412; 3425; 3438; 3456; 3470; 3484; 3500; 3522; 3538; 3557; 3579; 3595; 3618; 3637; 3651; 3667; 3681; 3701; 3717; 3730; 3752; 3785; 3799; 3819; 3832; 3846; 3900; 3913; 3936; 3949; 3968; 3985; 4012; 4048; 4081; 4100; 4125; 4146; 4173; 4186; 4203; 4217; 4232; 4248; 4308; 4333; 4349; 4371; 4384; 4398; 4429; 4443; 4468; 4486; 4501; 4514; 4533; 4546; 4561; 4590; 4609; 4627; 4652; 4667; 4686; 4702; 4721; 4739; 4755; 4769; 4788; 4815; 4838; 4860; 4879; 4894; 4907; 4924; 4944; 4971; 4984; 5003; 5028; 5051; 5065; 5078; 5095

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNG	215	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 593; 612; 642; 661; 687; 723; 744; 763; 784; 807; 828; 853; 870; 897; 917; 936; 953; 970; 990; 1010; 1027; 1047; 1065; 1092; 1122; 1146; 1164; 1188; 1207; 1229; 1269; 1290; 1316; 1336; 1365; 1407; 1441; 1462; 1482; 1509; 1527; 1544; 1562; 1590; 1611; 1630; 1656; 1678; 1701; 1724; 1750; 1776; 1805; 1834; 1876; 1959; 1994; 2021; 2044; 2073; 2117; 2139; 2171; 2207; 2224; 2245; 2282; 2302; 2319; 2336; 2371; 2389; 2407; 2424; 2448; 2470; 2497; 2525; 2551; 2589; 2610; 2627; 2645; 2668; 2689; 2717; 2740; 2761; 2779; 2800; 2817; 2840; 2864; 2884; 2902; 2924; 2955; 2977; 3003; 3022; 3039; 3067; 3086; 3105; 3123; 3141; 3162; 3184; 3208; 3241; 3261; 3279; 3300; 3326; 3353; 3370; 3387; 3404; 3430; 3452; 3474; 3492; 3512; 3531; 3553; 3591; 3611; 3635; 3655; 3675; 3702; 3726; 3759; 3778; 3806; 3828; 3857; 3885; 3910; 3929; 3948; 3969; 3986; 4003; 4034; 4061; 4081; 4104; 4124; 4161; 4178; 4197; 4223; 4243; 4282; 4309; 4328; 4346; 4383; 4401; 4442; 4460; 4486; 4503; 4535; 4564; 4592; 4613; 4636; 4655; 4676; 4694; 4711; 4729; 4755; 4776; 4796; 4816; 4834; 4855; 4881; 4898; 4917; 4936; 4965; 4984; 5002; 5021; 5039; 5057; 5080
MspR9I	CC!NGG	24	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 1633; 2660; 2715; 2732; 3128; 3288; 3511; 3901; 4090; 4193; 4665; 4883; 4896; 5017
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1874
MvaI	CC!WGG	19	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 2660; 2715; 2732; 3511; 4090; 4193; 4883; 4896; 5017
Mva1269I	GAATGCN!	1	1875
Mva1269I	G!CATTC	1	1968
MvnI	CG!CG	15	60; 1773; 2048; 2424; 2444; 2468; 2499; 3190; 3491; 3929; 4013; 4076; 4145; 4418; 4999
MvrI	CGAT!CG	0	
MwoI	GCNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1097; 1528; 2351; 2381; 2408; 2450; 2691; 2763; 2814; 2893; 3115; 3199; 3222; 3361; 3484; 3567; 3834; 4021; 4225; 4424; 4996
NaeI	GCC!GGC	3	2343; 3626; 3909
NarI	GG!CGCC	1	3124
NciI	CC!SGG	5	1633; 3128; 3288; 3901; 4665
NcoI	C!CATGG	5	360; 832; 1051; 2853; 3556
NdeI	CA!TATG	1	234
NdeII	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
NgoAVIII	GACNNNNNTGANNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	1180
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	1216
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	3	2341; 3624; 3907
NheI	G!CTAGC	1	591
NlaIII	CATG!	26	304; 364; 659; 836; 845; 1055; 1091; 1097; 1109; 1187; 1253; 1333; 1544; 2554; 2694; 2766; 2857; 2998; 3343; 3529; 3560; 3586; 3942; 4326; 5046; 5097
NlaIV	GGN!NCC	20	467; 647; 698; 1036; 1115; 1175; 1566; 2279; 2300; 2312; 2503; 2664; 2736; 3125; 3160; 4008; 4087; 4132; 4975; 5014
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	5	947; 1034; 1956; 2271; 3863
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 1440; 4935
Nlj3877I	CYCGR!G	1	617
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	2913; 3349
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1456; 2878
NmeDI	RCCGGYNNNNNN!	6	825; 1052; 2353; 3455; 3636; 3919
NmeDI	!NNNNNNNNNNNNRCCGGY	6	800; 1027; 2328; 3430; 3611; 3894
NmuCI	!GTSAC	5	710; 1340; 2413; 3244; 3550
NotI	GC!GGCCGC	1	1768
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3226
NsiI	ATGCA!T	3	2696; 2768; 5099
NspI	RCATG!Y	5	1091; 2694; 2766; 3529; 5046

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NspV	TT!CGAA	2	627; 3806
OliI	CACNN!NNGTG	1	1053
PabI	GTA!C	14	220; 245; 300; 333; 384; 541; 648; 784; 1002; 1021; 1105; 1255; 1507; 3431
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2694; 2766; 3529
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	3	841; 2550; 4322
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	1283; 4089; 4192
PauI	G!CGCGC	0	
PceI	AGG!CCT	2	1488; 2945
PciI	A!CATGT	1	5042
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	3	1063; 3468; 3678
PcsI	WCGNNNN!NNNCGW	9	865; 991; 1702; 3418; 3495; 3738; 3812; 4205; 4723
PctI	GAATGCN!	1	1875
PctI	G!CATTC	1	1968
PdiI	GCC!GGC	3	2343; 3626; 3909
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	7	1189; 1666; 3609; 3743; 3853; 3890; 5068
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3242
PfIMI	CCANNNN!NTGG	0	
PfoI	T!CCNGGA	2	1393; 3899
PhoI	GG!CC	32	84; 277; 831; 948; 978; 1008; 1210; 1453; 1488; 1522; 1545; 1567; 1677; 1719; 1770; 2090; 2232; 2887; 2893; 2902; 2945; 3032; 3206; 3597; 3624; 4133; 4190; 4223; 4568; 5002; 5020; 5031
PinAI	A!CCGGT	1	1040
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN!	1	3505
PlaDI	!NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCTGATG	2	3070; 3325
PleI	GAGTCNNNN!	3	1347; 2175; 2607
PleI	!NNNNNGACTC	6	404; 598; 1769; 2183; 3789; 4666
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNNCTCNNNNNNNNNNNNNNNNNN!	1	2206
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	4336
PpiI	GAGNNNNNGTTCNNNNNNNNNNNNNNNNNN!	1	4368
PpiI	!NNNNNNNGAACNNNNNNCTC	1	2174
PpsI	GAGTCNNNN!	3	1347; 2175; 2607
PpsI	!NNNNNGACTC	6	404; 598; 1769; 2183; 3789; 4666
Ppu10I	A!TGCAT	3	2692; 2764; 5095
Ppu21I	YAC!GTR	3	340; 2240; 3428
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	5042
PshAI	GACNN!NNGTC	1	1692
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	1907; 2112
Psp03I	GGWC!C	3	803; 3643; 4088
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	19	88; 281; 895; 930; 965; 1234; 1282; 1378; 1393; 1522; 2658; 2713; 2730; 3509; 4088; 4191; 4881; 4894; 5015
Psp1406I	AA!CGTT	0	
Psp124BI	GAGT!C	1	620
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	19	88; 281; 895; 930; 965; 1234; 1282; 1378; 1393; 1522; 2658; 2713; 2730; 3509; 4088; 4191; 4881; 4894; 5015
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	20	467; 647; 698; 1036; 1115; 1175; 1566; 2279; 2300; 2312; 2503; 2664; 2736; 3125; 3160; 4008; 4087; 4132; 4975; 5014
PspOMI	G!GGCCC	0	
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN!	3	125; 2854; 3853

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3256
PspPI	G!GNCC	13	83; 276; 800; 1209; 1452; 1544; 1565; 2231; 3640; 4085; 4131; 4189; 4222
PspPPI	RG!GWCCY	0	
PspPRI	CCYCAGNNNNNNNNNNNNNN!	3	2677; 2749; 4255
PspPRI	!NNNNNNNNNNNNNCTGRGG	5	953; 1304; 1732; 2590; 3785
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNTAC	0	
PssI	RGGNC!CY	1	4225
PstI	CTGCA!G	1	638
PstNI	CAGNNN!CTG	3	1726; 4225; 4633
PsuI	R!GATCY	12	585; 609; 937; 1034; 1599; 3295; 3541; 3933; 4292; 4304; 4390; 4401
PsyI	GACN!NNGTC	1	3242
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	2622; 3230
RcaI	T!CATGA	3	841; 2550; 4322
RceI	CATCGACNNNNNNNNNNNNNN!	1	3639
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	1	1853
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	14	219; 244; 299; 332; 383; 540; 647; 783; 1001; 1020; 1104; 1254; 1506; 3430
RsaNI	G!TAC	14	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1103; 1253; 1505; 3429
RseI	CAYNN!NNRTG	6	365; 777; 1053; 1092; 1497; 3561
RsrII	CG!GWCCG	1	3640
Rsr2I	CG!GWCCG	1	3640
SacI	GAGCT!C	1	620
SacII	CCGC!GG	0	
SalI	G!TCGAC	1	639
SapI	GCTCTCN!	0	
SapI	!NNNNGAAGAGC	3	1063; 3468; 3678
SaqAI	T!TAA	18	7; 1078; 1303; 1759; 1825; 1886; 2007; 2028; 2039; 2051; 2062; 2079; 2177; 2448; 4267; 4281; 4286; 4338
SatI	GC!NGC	40	734; 752; 755; 960; 963; 1208; 1259; 1403; 1520; 1701; 1768; 1771; 1901; 2420; 2442; 2456; 2894; 3033; 3085; 3096; 3186; 3191; 3228; 3269; 3356; 3359; 3362; 3598; 3694; 3735; 3749; 3863; 4202; 4217; 4428; 4634; 4637; 4702; 4845; 5000
Sau96I	G!GNCC	13	83; 276; 800; 1209; 1452; 1544; 1565; 2231; 3640; 4085; 4131; 4189; 4222
Sau3AI	!GATC	24	585; 609; 937; 1034; 1423; 1573; 1599; 1781; 2961; 2965; 2984; 3295; 3373; 3454; 3463; 3541; 3917; 3933; 4292; 4304; 4382; 4390; 4401; 4476
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNN!	3	1348; 2176; 2608
SchI	!NNNNNGACTC	6	404; 598; 1769; 2183; 3789; 4666
SciI	CTC!GAG	1	615
ScrFI	CC!NGG	24	90; 283; 897; 932; 967; 1236; 1284; 1380; 1395; 1524; 1633; 2660; 2715; 2732; 3128; 3288; 3511; 3901; 4090; 4193; 4665; 4883; 4896; 5017
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNN!	8	749; 1490; 1558; 1678; 2702; 2774; 2943; 4885
SdeAI	!NNNNNNNNNNNNNNNNNCTYCTG	2	3279; 3764

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	14	620; 699; 1116; 1143; 1176; 1753; 2315; 3070; 3163; 3237; 3427; 3489; 4199; 4732
SelI	!CGCG	15	58; 1771; 2046; 2422; 2442; 2466; 2497; 3188; 3489; 3927; 4011; 4074; 4143; 4416; 4997
SetI	ASST!	69	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 768; 790; 802; 884; 930; 1075; 1102; 1198; 1248; 1269; 1420; 1555; 1573; 1624; 1692; 1696; 1711; 1735; 1814; 1835; 1844; 1856; 1905; 2072; 2187; 2199; 2242; 2279; 2329; 2352; 2476; 2624; 2719; 2912; 3025; 3153; 3232; 3243; 3315; 3386; 3430; 3690; 3836; 3880; 4211; 4242; 4301; 4344; 4487; 4508; 4607; 4744; 4759; 4778; 4790; 4834; 4880; 4931
SexAI	A!CCWGGT	1	2713
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	9	847; 883; 1297; 1940; 2703; 2775; 3423; 3487; 3762
SfaNI	!NNNNNNNNNGATGC	8	357; 1450; 1489; 1618; 3082; 3337; 3553; 4945
SfcI	C!TRYAG	4	634; 2459; 4586; 4777
SfiI	GGCCNNNN!NGGCC	1	2899
SfoI	GGC!GCC	1	3125
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	2	627; 3806
SgeI	CNNGNNNNNNNN!	202	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 625; 668; 693; 713; 749; 770; 797; 810; 826; 839; 854; 881; 904; 923; 943; 962; 978; 992; 1007; 1028; 1053; 1100; 1118; 1148; 1172; 1190; 1205; 1247; 1262; 1295; 1329; 1342; 1370; 1391; 1406; 1433; 1467; 1488; 1508; 1521; 1535; 1553; 1566; 1583; 1616; 1637; 1671; 1709; 1732; 1750; 1784; 1831; 1860; 1902; 1985; 2059; 2143; 2165; 2197; 2234; 2252; 2271; 2286; 2328; 2345; 2362; 2397; 2411; 2428; 2450; 2474; 2498; 2563; 2577; 2615; 2631; 2671; 2684; 2703; 2726; 2743; 2756; 2775; 2805; 2826; 2843; 2866; 2901; 2928; 2959; 2981; 3007; 3029; 3048; 3076; 3112; 3131; 3154; 3168; 3188; 3201; 3215; 3234; 3248; 3267; 3299; 3313; 3326; 3352; 3383; 3396; 3413; 3430; 3444; 3461; 3479; 3494; 3522; 3538; 3557; 3579; 3595; 3618; 3637; 3662; 3681; 3701; 3728; 3752; 3785; 3804; 3832; 3846; 3912; 3936; 3951; 3974; 3995; 4012; 4060; 4087; 4101; 4130; 4154; 4187; 4204; 4224; 4237; 4250; 4308; 4335; 4354; 4384; 4409; 4429; 4443; 4468; 4486; 4523; 4561; 4590; 4618; 4632; 4652; 4667; 4688; 4702; 4721; 4739; 4755; 4795; 4815; 4842; 4860; 4881; 4894; 4907; 4924; 4948; 4971; 5003; 5028; 5055; 5077
SgeI	!NNNNNNNNNNNNCNG	177	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 599; 642; 667; 687; 723; 744; 771; 793; 813; 855; 878; 897; 917; 936; 953; 970; 1002; 1027; 1074; 1092; 1122; 1146; 1164; 1188; 1221; 1269; 1303; 1344; 1365; 1407; 1441; 1462; 1482; 1509; 1527; 1548; 1569; 1590; 1611; 1645; 1683; 1706; 1724; 1758; 1805; 1834; 1876; 1959; 2033; 2117; 2139; 2171; 2208; 2226; 2245; 2302; 2319; 2336; 2371; 2389; 2409; 2429; 2448; 2472; 2537; 2589; 2645; 2677; 2700; 2717; 2749; 2779; 2800; 2817; 2840; 2875; 2902; 2933; 2955; 2981; 3003; 3022; 3050; 3086; 3105; 3128; 3149; 3167; 3184; 3208; 3241; 3273; 3300; 3326; 3357; 3387; 3404; 3430; 3453; 3474; 3496; 3516; 3536; 3553; 3592; 3611; 3636; 3655; 3675; 3702; 3726; 3759; 3778; 3806; 3828; 3886; 3910; 3929; 3948; 3969; 3986; 4034; 4061; 4081; 4104; 4128; 4161; 4178; 4198; 4224; 4282; 4309; 4328; 4358; 4383; 4403; 4442; 4460; 4497; 4535; 4564; 4592; 4613; 4641; 4662; 4695; 4713; 4769; 4789; 4816; 4834; 4855; 4881; 4898; 4922; 4945; 4977; 5002; 5029; 5051; 5080
Sgfl	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 2271; 4058; 4851
SimI	!GACCC	4	106; 3552; 4120; 4368

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SinI	G!GWCC	3	800; 3640; 4085
SlaI	C!TCGAG	1	613
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	6	365; 777; 1053; 1092; 1497; 3561
SmlI	C!TYRAG	8	613; 619; 1623; 2006; 3515; 4397; 4674; 4936
SmoI	C!TYRAG	8	613; 619; 1623; 2006; 3515; 4397; 4674; 4936
SmuI	CCCGCNNNN!	12	93; 119; 286; 689; 900; 1517; 1619; 2446; 2801; 2822; 4018; 4150
SmuI	!NNNNNNGCGGG	6	1554; 2377; 3247; 3784; 3922; 4069
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2694; 2766; 3529
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	13	18; 629; 845; 1760; 1874; 1938; 2016; 2042; 2053; 2700; 2772; 2864; 4282
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	2	1488; 2945
SsiI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1372; 1510; 1612; 1771; 2439; 2442; 2456; 2546; 2794; 2806; 2815; 2827; 2837; 2848; 2894; 3033; 3096; 3598; 3643; 3709; 3735; 3860; 3863; 4011; 4143; 4450; 4594; 5090
SsiI	G!CGG	29	370; 403; 528; 708; 733; 1207; 1519; 1561; 1767; 2384; 2411; 2499; 2609; 3190; 3254; 3355; 3358; 3638; 3693; 3791; 3929; 4076; 4216; 4459; 4704; 4825; 4844; 4971; 4999
SspI	AAT!ATT	2	2032; 2585
SspDI	G!GCGCC	1	3123
SspD5I	GGTGANNNNNNNN!	6	376; 722; 894; 1445; 4195; 4311
SspD5I	!NNNNNNNNNTCACC	5	916; 1003; 1333; 2240; 3301
SstI	GAGCT!C	1	620
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	1378
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	21	92; 118; 285; 688; 899; 1300; 1516; 1618; 1639; 2323; 2445; 2800; 2821; 3134; 3537; 3676; 3747; 4017; 4149; 4379; 4817
Sth132I	!NNNNNNNNCGGG	20	15; 407; 470; 1349; 1553; 2324; 2376; 2477; 3204; 3246; 3279; 3783; 3892; 3921; 4068; 4172; 4203; 4656; 4700; 4908
Sth302II	CC!GG	20	602; 815; 1042; 1634; 2343; 3030; 3107; 3129; 3157; 3288; 3378; 3445; 3626; 3901; 3909; 4001; 4475; 4665; 4691; 4838
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNNN!	4	2992; 3449; 3474; 3928
StsI	!NNNNNNNNNNNNNNCATCC	5	1129; 1217; 1274; 1429; 2796
StuI	AGG!CCT	2	1488; 2945
StyI	C!CWWGG	8	360; 826; 832; 1051; 2853; 2946; 3556; 3961
StyD4I	!CCNGG	24	88; 281; 895; 930; 965; 1234; 1282; 1378; 1393; 1522; 1631; 2658; 2713; 2730; 3126; 3286; 3509; 3899; 4088; 4191; 4663; 4881; 4894; 5015
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	15	76; 198; 269; 543; 581; 645; 1118; 2215; 3504; 3620; 3728; 4051; 4542; 5012; 5083
TaiI	ACGT!	16	125; 137; 178; 261; 342; 447; 1420; 1696; 2187; 2199; 2242; 2352; 3243; 3430; 4211; 4344
TaqI	T!CGA	19	614; 627; 640; 868; 918; 1201; 1228; 1696; 2273; 2964; 3237; 3393; 3417; 3453; 3615; 3806; 3851; 4106; 4944
TaqII	GACCGANNNNNNNNNN!	3	2144; 3161; 3829
TaqII	!NNNNNNNNNTCGGTC	1	4073
TaqII	CACCCANNNNNNNNNN!	2	1191; 1296
TaqII	!NNNNNNNNNTGGGTG	3	172; 3028; 3620
TasI	!AATT	13	18; 629; 845; 1760; 1874; 1938; 2016; 2042; 2053; 2700; 2772; 2864; 4282
TatI	W!GTACW	7	217; 297; 330; 381; 781; 1018; 1102
TauI	GCSG!C	21	736; 757; 1210; 1522; 1770; 1773; 2444; 2458; 2896; 3035; 3098; 3193; 3358; 3361; 3600; 3696; 3737; 3865; 4219; 4847; 5002
TfiI	G!AWTC	7	1189; 1666; 3609; 3743; 3853; 3890; 5068
TliI	C!TCGAG	1	613

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TruII	T!TAA	18	7; 1078; 1303; 1759; 1825; 1886; 2007; 2028; 2039; 2051; 2062; 2079; 2177; 2448; 4267; 4281; 4286; 4338
Tru9I	T!TAA	18	7; 1078; 1303; 1759; 1825; 1886; 2007; 2028; 2039; 2051; 2062; 2079; 2177; 2448; 4267; 4281; 4286; 4338
TscAI	CASTGNN!	5	1970; 3253; 4363; 4634; 4647
TseI	G!CWGC	19	751; 959; 962; 1258; 1402; 1700; 1900; 2419; 3084; 3185; 3227; 3268; 3361; 3748; 4201; 4427; 4633; 4636; 4701
TsoI	TARCCANNNNNNNNNN!	2	2096; 2443
TsoI	!NNNNNNNNNTGGYTA	3	1227; 1901; 3653
Tsp45I	!GTSAC	5	710; 1340; 2413; 3244; 3550
Tsp509I	!AATT	13	18; 629; 845; 1760; 1874; 1938; 2016; 2042; 2053; 2700; 2772; 2864; 4282
TspDTI	ATGAANNNNNNNNNN!	5	858; 1110; 1882; 3183; 3887
TspDTI	!NNNNNNNNNTTCAT	6	26; 1238; 1259; 3601; 4057; 4264
TspEI	!AATT	13	18; 629; 845; 1760; 1874; 1938; 2016; 2042; 2053; 2700; 2772; 2864; 4282
TspGWI	ACGGANNNNNNNNNN!	1	3999
TspGWI	!NNNNNNNNNTCCGT	0	
TspMI	C!CCGGG	0	
TspRI	CASTGNN!	5	1970; 3253; 4363; 4634; 4647
TstI	CACNNNNNTCCNNNNNNNNNN!	1	1007
TstI	!NNNNNNNGGANNNNNNNGTG	0	
TstI	GGANNNNNGTGNNNNNNNNNNNN!	0	
TstI	!NNNNNNNCCACNNNNNTCC	1	975
Tth111I	GACN!NNGTC	1	3242
Tth111II	CAARCAANNNNNNNNNN!	2	996; 4451
Tth111III	!NNNNNNNNNTGYTTG	3	3559; 4419; 4458
UnbI	!GGNCC	13	82; 275; 799; 1208; 1451; 1543; 1564; 2230; 3639; 4084; 4130; 4188; 4221
Van9II	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	1	2006
VneI	G!TGCAC	2	1139; 4728
VpaK11AI	!GGWCC	3	799; 3639; 4084
VpaK11BI	G!GWCC	3	800; 3640; 4085
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	5	629; 845; 1938; 2042; 2053
XbaI	T!CTAGA	1	1778
XceI	RCATG!Y	5	1091; 2694; 2766; 3529; 5046
XcmI	CCANNNN!NNNTGG	0	
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	12	585; 609; 937; 1034; 1599; 3295; 3541; 3933; 4292; 4304; 4390; 4401
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	2	2946; 3961
XmiI	GT!MKAC	2	640; 1639
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	9	592; 1738; 1779; 1973; 2391; 2947; 3962; 4296; 4549
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2696; 2768; 5099