

pTagFP635-clathrin vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	2153; 2358
AarI	CACCTGCNNNN!	1	1515
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	4	1992; 2441; 3397; 5186
AatI	AGG!CCT	2	1048; 3191
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	2	1199; 1364
AccII	CG!CG	15	60; 2258; 2294; 2670; 2690; 2714; 2745; 3436; 3737; 4175; 4259; 4322; 4391; 4664; 5245
AccIII	T!CCGGA	1	1324
Acc16I	TGC!GCA	1	3472
Acc36I	ACCTGCNNNN!	3	1515; 3638; 4088
Acc36I	!NNNNNNNNGCAGGT	1	3257
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	8	465; 673; 733; 1408; 1503; 2523; 3369; 3404
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	2794; 3983
AccBSI	GAG!CGG	2	2630; 4037
AceIII	CAGCTCNNNNNNN!	1	2326
AceIII	!NNNNNNNNNNNGAGCTG	3	552; 619; 1702
AciI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 932; 1070; 1172; 1442; 1529; 1677; 1953; 1998; 2685; 2688; 2702; 2792; 3040; 3052; 3061; 3073; 3083; 3094; 3140; 3279; 3342; 3844; 3889; 3955; 3981; 4106; 4109; 4257; 4389; 4696; 4840; 5336
AciI	G!CGG	31	370; 403; 528; 767; 1079; 1121; 1420; 1423; 1438; 1522; 1752; 2630; 2657; 2745; 2855; 3436; 3500; 3601; 3604; 3884; 3939; 4037; 4175; 4322; 4462; 4705; 4950; 5071; 5090; 5217; 5245
AcII	AA!CGTT	0	
AcIWI	GGATCNNNN!	9	2013; 2022; 3238; 3549; 3795; 4187; 4546; 4644; 4730
AcIWI	!NNNNNGATCC	7	580; 1154; 2000; 3614; 4158; 4545; 4642
AcoI	Y!GGCCR	6	1277; 1439; 3276; 3450; 3841; 3868
AcsI	R!AATTY	4	1353; 2184; 2288; 2299
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	4	1129; 1999; 3516; 3948
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	4746
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	9	122; 175; 258; 444; 1196; 1987; 3370; 4072; 4151
AdeI	CACNNN!GTG	3	1269; 1886; 2486
AfaI	GT!AC	10	219; 244; 299; 332; 383; 540; 664; 814; 1066; 3676
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	24	49; 730; 843; 1009; 1075; 1419; 1549; 1621; 1962; 2382; 2708; 3100; 3351; 3895; 4176; 4208; 4340; 4375; 4425; 4457; 4810; 5089; 5255; 5273
AfIII	C!TTAAG	0	
AfIII	A!CRYGT	2	2256; 5288
AgeI	A!CCGGT	1	600
AgsI	TTS!AA	8	696; 1146; 1917; 2781; 2825; 2835; 3248; 4824
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
Ajnl	!CCWGG	21	88; 281; 794; 842; 938; 953; 1082; 1448; 1640; 1658; 1772; 1875; 2904; 2959; 2976; 3755; 4334; 4437; 5127; 5140; 5261
AjuI	GAANNNNNNNTTGNNNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AleI	CACNN!NNGTG	1	613
AlfI	GCANNNNNNTGCNNNNNNNNNNNN!	2	2944; 3016
AlfI	!NNNNNNNNNNGCANNNNNNNTGC	2	2910; 2982
AloI	GAACNNNNNNNTCCNNNNNNNNNNNN!	2	1020; 2452
AloI	!NNNNNNNNGGANNNNNNGTTC	0	
AloI	GGANNNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNNNTCC	2	988; 2420
AluI	AG!CT	20	566; 633; 660; 806; 1113; 1342; 1348; 1716; 1905; 2149; 2316; 2573; 2868; 3156; 3476; 3934; 4731; 4988; 5034; 5124
AluBI	AG!CT	20	566; 633; 660; 806; 1113; 1342; 1348; 1716; 1905; 2149; 2316; 2573; 2868; 3156; 3476; 3934; 4731; 4988; 5034; 5124
AlwI	GGATCNNNN!	9	2013; 2022; 3238; 3549; 3795; 4187; 4546; 4644; 4730
AlwI	!NNNNNGATCC	7	580; 1154; 2000; 3614; 4158; 4545; 4642
Alw21I	GWGCW!C	6	703; 1344; 1970; 3483; 3673; 4978
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	6	1240; 1864; 2794; 3212; 4231; 4359
Alw44I	G!TGCAC	2	699; 4974
AlwNI	CAGNNN!CTG	3	1286; 4471; 4879
Ama87I	C!YCGRG	1	1337
Aor13HI	T!CCGGA	1	1324
Aor51HI	AG!GCT	1	596
ApaI	GGGCC!C	1	1543
ApaBI	GCANNNNN!TGC	5	1637; 1938; 2938; 3010; 4472
ApaLI	G!TGCAC	2	699; 4974
ApeKI	G!CWGC	21	818; 962; 1260; 1514; 1630; 1707; 1723; 1928; 2146; 2665; 3330; 3431; 3473; 3514; 3607; 3994; 4447; 4673; 4879; 4882; 4947
ApoI	R!AATTY	4	1353; 2184; 2288; 2299
ApyPI	ATCGACNNNNNNNNNNNNNNNNNNNN!	1	3885
ApyPI	!NNNNNNNNNNNNNNNNNNNGTCGAT	3	3679; 4332; 5170
AquII	GCCGNACNNNNNNNNNNNNNNNNNNNN!	1	3769
AquII	!NNNNNNNNNNNNNNNNNNNGTNCGGC	1	794
AquIII	GAGGAGNNNNNNNNNNNNNNNNNNNN!	6	1451; 1715; 1802; 1865; 1892; 3198
AquIII	!NNNNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNNCTCCYC	1	3940
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	1	1512
ArsI	!NNNNNNCRAANNNNNNGTC	0	
ArsI	CRAANNNNNNGTCNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNNGACNNNNNNNTTYG	1	1480
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	25	586; 984; 1134; 1160; 1334; 1821; 2006; 2015; 2028; 3208; 3212; 3231; 3542; 3620; 3701; 3710; 3788; 4164; 4180; 4539; 4551; 4629; 4637; 4648; 4723
AsiGI	A!CCGGT	1	600
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3488
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	3192; 4207
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	23	597; 1793; 1961; 2636; 2644; 2670; 2692; 2701; 2714; 2745; 3364; 3372; 3436; 3473; 3739; 3999; 4175; 4261; 4664; 4773; 4947; 5047; 5114
AspS9I	G!GNCC	20	83; 276; 769; 1012; 1104; 1125; 1431; 1452; 1524; 1540; 1574; 1612; 1770; 1899; 2477; 3886; 4331; 4377; 4435; 4468
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	1351; 4052
AsuC2I	CC!SGG	9	1193; 1414; 1435; 1538; 1831; 3374; 3534; 4147; 4911
AsuHPI	GGTGANNNNNNNNN!	4	376; 1005; 4441; 4557
AsuHPI	!NNNNNNNTCACC	3	894; 2487; 3548
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	1	1337
AvaII	G!GWCC	6	1431; 1574; 1612; 1770; 3886; 4331
AviII	TGC!GCA	1	3472

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AvrII	C!CTAGG	2	3192; 4207
AxyI	CC!TNAGG	3	878; 2850; 4482
BaeI	ACNNNGTAYCNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNNACNNNNNGTAYC	0	
BaeGI	GKGC!C	10	676; 703; 736; 1313; 1413; 1506; 1543; 3316; 3409; 4978
BalI	TGG!CCA	2	1279; 3452
BamHI	G!GATCC	1	2005
BanI	G!GYRCC	8	465; 673; 733; 1408; 1503; 2523; 3369; 3404
BanII	GRGCY!C	5	1344; 1543; 2561; 3735; 4445
BanIII	AT!CGAT	1	3210
BarI	GAAGNNNNNTACNNNNNNNNNNNN!	1	1170
BarI	!NNNNNNNGTANNNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNNNTAC	1	1138
BasI	CCANNNN!NTGG	0	
BauI	C!ACGAG	4	1264; 1545; 4088; 5115
BauI	C!TCGTG	2	1114; 3962
BbeI	GGCGC!C	1	3373
Bbr7I	GAAGACNNNNNNN!	3	925; 1158; 1226
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	3	920; 1153; 1221
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	2940; 3012; 3775
BbvI	GCAGCNNNNNNNN!	11	830; 1272; 1526; 1642; 1940; 2158; 3443; 3485; 4006; 4459; 4959
BbvI	!NNNNNNNNNNNGCTGC	8	949; 1694; 2652; 3317; 3501; 3594; 4660; 4866
Bbv12I	GWGCW!C	6	703; 1344; 1970; 3483; 3673; 4978
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	5	1011; 2500; 3064; 3590; 4092
BccI	!NNNNNGATGG	4	1615; 2468; 3248; 3676
BceAI	ACGGCNNNNNNNNNNNN!	7	831; 975; 1026; 1092; 1720; 3796; 4283
BceAI	!NNNNNNNNNNNNNGCCGT	3	2511; 3329; 4788
Bcefi	ACGGCNNNNNNNNNNNN!	7	831; 975; 1026; 1092; 1720; 3796; 4283
Bcefi	!NNNNNNNNNNNNNGCCGT	3	2512; 3330; 4789
BcgI	CGANNNNNNTGCNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	GCANNNNNNTCGNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2799; 3589; 5090
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	1	2027
BcnI	CC!SGG	9	1193; 1414; 1435; 1538; 1831; 3374; 3534; 4147; 4911
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNNNN!	2	2050; 5223
BdaI	!NNNNNNNNNTGANNNNNNNTCA	2	2016; 5189
BfaI	C!TAG	10	592; 1298; 2001; 2018; 2219; 2637; 3193; 4208; 4542; 4795
BfiI	ACTGGGNNNNN!	2	1315; 3319
BfiI	!NNNNCCCAGT	2	289; 3071
BfmI	C!TRYAG	4	1358; 2705; 4832; 5023
BfoI	RGCGC!Y	6	598; 1794; 2637; 2645; 3373; 5048
BfrI	C!TTAAG	0	
BfuI	GTATCCNNNNNN!	3	2799; 3589; 5090
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	3	1515; 3638; 4088
BfuAI	!NNNNNNNNNGCAGGT	1	3257
BfuCI	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
BglI	GCCNNNN!NGGC	7	90; 212; 283; 1088; 1417; 1450; 3145
BglII	A!GATCT	1	1333

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BisI	GC!NGC	42	768; 819; 963; 1080; 1261; 1421; 1439; 1442; 1515; 1523; 1631; 1708; 1724; 1929; 2147; 2666; 2688; 2702; 3140; 3279; 3331; 3342; 3432; 3437; 3474; 3515; 3602; 3605; 3608; 3844; 3940; 3981; 3995; 4109; 4448; 4463; 4674; 4880; 4883; 4948; 5091; 5246
BlnI	C!CTAGG	2	3192; 4207
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	42	769; 820; 964; 1081; 1262; 1422; 1440; 1443; 1516; 1524; 1632; 1709; 1725; 1930; 2148; 2667; 2689; 2703; 3141; 3280; 3332; 3343; 3433; 3438; 3475; 3516; 3603; 3606; 3609; 3845; 3941; 3982; 3996; 4110; 4449; 4464; 4675; 4881; 4884; 4949; 5092; 5247
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	6	1431; 1574; 1612; 1770; 3886; 4331
Bme1390I	CC!NGG	30	90; 283; 796; 844; 940; 955; 1084; 1193; 1414; 1435; 1450; 1538; 1642; 1660; 1774; 1831; 1877; 2906; 2961; 2978; 3374; 3534; 3757; 4147; 4336; 4439; 4911; 5129; 5142; 5263
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	1	1337
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	20	84; 277; 770; 1013; 1105; 1126; 1432; 1453; 1525; 1541; 1575; 1613; 1771; 1900; 2478; 3887; 4332; 4378; 4436; 4469
BmiI	GGN!NCC	26	467; 675; 735; 1126; 1410; 1433; 1505; 1526; 1542; 1575; 1664; 1786; 2007; 2525; 2546; 2558; 2749; 2910; 2982; 3371; 3406; 4254; 4333; 4378; 5221; 5260
BmrI	ACTGGGNNNNN!	2	1315; 3319
BmrI	!NNNNCCCAGT	2	289; 3071
BmrFI	CC!NGG	30	90; 283; 796; 844; 940; 955; 1084; 1193; 1414; 1435; 1450; 1538; 1642; 1660; 1774; 1831; 1877; 2906; 2961; 2978; 3374; 3534; 3757; 4147; 4336; 4439; 4911; 5129; 5142; 5263
BmsI	GCATCNNNNN!	10	857; 1682; 1735; 1843; 2186; 2949; 3021; 3669; 3733; 4008
BmsI	!NNNNNNNNNGATGC	9	357; 1010; 1049; 1178; 1710; 3328; 3583; 3799; 5191
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	1315; 3319
BmuI	!NNNNCCCAGT	2	289; 3071
BoxI	GACNN!NNGTC	2	1252; 1579
BpiI	GAAGACNN!	3	920; 1153; 1221
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	3159; 4058
BpI	!NNNNNNNNNGAGNNNNNNCTC	2	3127; 4026
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	2	1795; 4210
BpmI	!NNNNNNNNNNNNNNNCTCCAG	2	937; 4153
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	2	1351; 4052
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	3	920; 1153; 1221
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4664; 5203
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	4	1168; 1328; 3746; 4905
BpuMI	CC!SGG	9	1193; 1414; 1435; 1538; 1831; 3374; 3534; 4147; 4911
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	3	1240; 1864; 4359
Bsa29I	AT!CGAT	1	3210
BsaAI	YAC!GTR	3	340; 2486; 3674
BsaBI	GATNN!NNATC	2	2032; 3229
BsaHI	GR!CGYC	9	122; 175; 258; 444; 1196; 1987; 3370; 4072; 4151
BsaJI	C!CNNGG	25	360; 707; 842; 843; 938; 1412; 1640; 1658; 1838; 1862; 1875; 2904; 2976; 3099; 3134; 3143; 3192; 3533; 3802; 4207; 4334; 4335; 4437; 4438; 5128
BsaMI	GAATGCN!	1	2121
BsaMI	G!CATTC	1	2214
BsaWI	W!CCGGW	7	600; 1324; 2011; 3401; 4245; 4935; 5082
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	2450
BsaXI	!NNNNNNNGGAGNNNNNGT	0	

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BsaXI	GGAGNNNNNGTNNNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	2420
BsbI	CAACACNNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	2371; 4278
Bsc4I	CCNNNNN!NNGG	24	49; 730; 843; 1009; 1075; 1419; 1549; 1621; 1962; 2382; 2708; 3100; 3351; 3895; 4176; 4208; 4340; 4375; 4425; 4457; 4810; 5089; 5255; 5273
BscAI	GCATCNNNN!	10	856; 1681; 1734; 1842; 2185; 2948; 3020; 3668; 3732; 4007
BscAI	!NNNNNNGATGC	9	360; 1013; 1052; 1181; 1713; 3331; 3586; 3802; 5194
BseI	ACTGGN!	5	1223; 1310; 3314; 3515; 4761
BseI	C!CAGT	5	295; 2399; 3077; 4873; 4886
BseI	GATNN!NNATC	2	2032; 3229
Bse21I	CC!TNAGG	3	878; 2850; 4482
Bse118I	R!CCGGY	6	600; 1510; 2587; 3689; 3870; 4153
BseAI	T!CCGGA	1	1324
BseBI	CC!WGG	21	90; 283; 796; 844; 940; 955; 1084; 1450; 1642; 1660; 1774; 1877; 2906; 2961; 2978; 3757; 4336; 4439; 5129; 5142; 5263
BseCI	AT!CGAT	1	3210
BseDI	C!CNNGG	25	360; 707; 842; 843; 938; 1412; 1640; 1658; 1838; 1862; 1875; 2904; 2976; 3099; 3134; 3143; 3192; 3533; 3802; 4207; 4334; 4335; 4437; 4438; 5128
Bse3DI	GCAATGNN!	1	3603
Bse3DI	!CATTGC	1	1634
BseGI	GGATGNN!	5	1725; 3230; 3687; 3712; 4166
BseGI	!CATCC	7	703; 791; 848; 1003; 1673; 1834; 3056
BseJI	GATNN!NNATC	2	2032; 3229
BseLI	CCNNNNN!NNGG	24	49; 730; 843; 1009; 1075; 1419; 1549; 1621; 1962; 2382; 2708; 3100; 3351; 3895; 4176; 4208; 4340; 4375; 4425; 4457; 4810; 5089; 5255; 5273
BseMI	GCAATGNN!	1	3603
BseMI	!CATTGC	1	1634
BseMII	CTCAGNNNNNNNNNN!	2	1344; 4496
BseMII	!NNNNNNNNCTGAG	8	869; 1553; 1658; 2841; 3143; 4024; 4596; 5005
BseNI	ACTGGN!	5	1223; 1310; 3314; 3515; 4761
BseNI	C!CAGT	5	295; 2399; 3077; 4873; 4886
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	6	1441; 1705; 1792; 1855; 1882; 3188
BseRI	!NNNNNNNNNCTCCTC	0	
BseSI	GKGC!C	10	676; 703; 736; 1313; 1413; 1506; 1543; 3316; 3409; 4978
BseXI	GCAGCNNNNNNNN!	11	830; 1272; 1526; 1642; 1940; 2158; 3443; 3485; 4006; 4459; 4959
BseXI	!NNNNNNNNNNNGCTGC	8	949; 1694; 2652; 3317; 3501; 3594; 4660; 4866
BseX3I	C!GGCCG	2	1439; 3276
BseYI	C!CCAGC	5	1454; 1901; 2913; 2985; 4984
BseYI	G!CTGGG	2	1040; 3874
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	15	60; 2258; 2294; 2670; 2690; 2714; 2745; 3436; 3737; 4175; 4259; 4322; 4391; 4664; 5245
Bsh1285I	CGRY!CG	4	605; 1442; 3279; 4954
BshFI	GG!CC	34	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1441; 1453; 1525; 1541; 1606; 1762; 1900; 2336; 2478; 3133; 3139; 3148; 3191; 3278; 3452; 3843; 3870; 4379; 4436; 4469; 4814; 5248; 5266; 5277
BshNI	G!GYRCC	8	465; 673; 733; 1408; 1503; 2523; 3369; 3404
BshTI	A!CCGGT	1	600
BshVI	AT!CGAT	1	3210
BsiEI	CGRY!CG	4	605; 1442; 3279; 4954
BsiHKAI	GWGCW!C	6	703; 1344; 1970; 3483; 3673; 4978
BsiHKCI	C!YCGRG	1	1337
BsiSI	C!CGG	25	601; 1193; 1325; 1414; 1435; 1511; 1537; 1830; 2012; 2588; 3275; 3352; 3374; 3402; 3533; 3623; 3690; 3871; 4146; 4154; 4246; 4720; 4910; 4936; 5083
BsiWI	C!GTACG	0	
BslI	CCNNNNN!NNGG	24	49; 730; 843; 1009; 1075; 1419; 1549; 1621; 1962; 2382; 2708; 3100; 3351; 3895; 4176; 4208; 4340; 4375; 4425; 4457; 4810; 5089; 5255; 5273

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsIF1	GGGACNNNNNNNNNN!	7	175; 326; 494; 1587; 3521; 4053; 4162
BsIF1	!NNNNNNNNNNNNNGTCCC	7	1935; 1959; 1980; 2886; 2958; 3022; 4317
BsmI	GAATGCN!	1	2121
BsmI	G!CATTC	1	2214
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	6	1240; 1864; 2794; 3212; 4231; 4359
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 1587; 3521; 4053; 4162
BsmFI	!NNNNNNNNNNNNNGTCCC	7	1935; 1959; 1980; 2886; 2958; 3022; 4317
BsnI	GG!CC	34	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1441; 1453; 1525; 1541; 1606; 1762; 1900; 2336; 2478; 3133; 3139; 3148; 3191; 3278; 3452; 3843; 3870; 4379; 4436; 4469; 4814; 5248; 5266; 5277
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	3	1240; 1864; 4359
BsoBI	C!YCGRG	1	1337
Bsp13I	T!CCGGA	1	1324
Bsp19I	C!CATGG	3	360; 3099; 3802
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 4173
Bsp24I	!NNNNNNCCANNNNNGTC	2	4594; 4772
Bsp24I	CCANNNNNGTCNNNNNNNNNNNN!	2	4626; 4804
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 4141
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	1351; 4052
Bsp120I	G!GGCCC	1	1539
Bsp143I	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
Bsp1286I	GDGCH!C	17	676; 703; 736; 1313; 1344; 1413; 1506; 1543; 1970; 2561; 3316; 3409; 3483; 3673; 3735; 4445; 4978
Bsp1407I	T!GTACA	1	662
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 932; 1070; 1172; 1442; 1529; 1677; 1953; 1998; 2685; 2688; 2702; 2792; 3040; 3052; 3061; 3073; 3083; 3094; 3140; 3279; 3342; 3844; 3889; 3955; 3981; 4106; 4109; 4257; 4389; 4696; 4840; 5336
BspACI	G!CGG	31	370; 403; 528; 767; 1079; 1121; 1420; 1423; 1438; 1522; 1752; 2630; 2657; 2745; 2855; 3436; 3500; 3601; 3604; 3884; 3939; 4037; 4175; 4322; 4462; 4705; 4950; 5071; 5090; 5217; 5245
BspCNI	CTCAGNNNNNNNN!	2	1343; 4495
BspCNI	!NNNNNNCTGAG	8	870; 1554; 1659; 2842; 3144; 4025; 4597; 5006
BspDI	AT!CGAT	1	3210
BspD6I	GACTCNNNN!	5	418; 1336; 2443; 4049; 4926
BspD6I	!NNNNNGAGTC	3	892; 2406; 2838
BspEI	T!CCGGA	1	1324
BspFNI	CG!CG	15	60; 2258; 2294; 2670; 2690; 2714; 2745; 3436; 3737; 4175; 4259; 4322; 4391; 4664; 5245
BspHI	T!CATGA	2	2796; 4568
BspLI	GGN!NCC	26	467; 675; 735; 1126; 1410; 1433; 1505; 1526; 1542; 1575; 1664; 1786; 2007; 2525; 2546; 2558; 2749; 2910; 2982; 3371; 3406; 4254; 4333; 4378; 5221; 5260
BspMI	ACCTGCNNNN!	3	1515; 3638; 4088
BspMI	!NNNNNNNGCAGGT	1	3257
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	9	2013; 2022; 3238; 3549; 3795; 4187; 4546; 4644; 4730
BspPI	!NNNNNGATCC	7	580; 1154; 2000; 3614; 4158; 4545; 4642
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	3	623; 3714; 3924
BspTI	C!TTAAG	0	
BspT104I	TT!CGAA	2	1351; 4052
BspT107I	G!GYRCC	8	465; 673; 733; 1408; 1503; 2523; 3369; 3404
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	3	1240; 1864; 4359
BsrI	ACTGGN!	5	1223; 1310; 3314; 3515; 4761
BsrI	C!CAGT	5	295; 2399; 3077; 4873; 4886

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrBI	CCG!CTC	2	2794; 3983
BsrBI	GAG!CGG	2	2630; 4037
BsrDI	GCAATGNN!	1	3603
BsrDI	!CATTGC	1	1634
BsrFI	R!CCGGY	6	600; 1510; 2587; 3689; 3870; 4153
BsrGI	T!GTACA	1	662
BsrSI	ACTGGN!	5	1223; 1310; 3314; 3515; 4761
BsrSI	C!CAGT	5	295; 2399; 3077; 4873; 4886
BssAI	R!CCGGY	6	600; 1510; 2587; 3689; 3870; 4153
BssECI	C!CNNGG	25	360; 707; 842; 843; 938; 1412; 1640; 1658; 1838; 1862; 1875; 2904; 2976; 3099; 3134; 3143; 3192; 3533; 3802; 4207; 4334; 4335; 4437; 4438; 5128
BssHII	G!CGCGC	0	
BssKI	!CCNGG	30	88; 281; 794; 842; 938; 953; 1082; 1191; 1412; 1433; 1448; 1536; 1640; 1658; 1772; 1829; 1875; 2904; 2959; 2976; 3372; 3532; 3755; 4145; 4334; 4437; 4909; 5127; 5140; 5261
BssMI	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
BssNI	GR!CGYC	9	122; 175; 258; 444; 1196; 1987; 3370; 4072; 4151
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	4	1264; 1545; 4088; 5115
BssSI	C!TCGTG	2	1114; 3962
BssTII	C!CWGGG	6	360; 1862; 3099; 3192; 3802; 4207
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	4	623; 2837; 3714; 3924
Bst98I	C!TTAAG	0	
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	9	122; 175; 258; 444; 1196; 1987; 3370; 4072; 4151
BstAFI	C!TTAAG	0	
BstAPI	GCANNNN!NTGC	5	1636; 1937; 2937; 3009; 4471
BstAUI	T!GTACA	1	662
BstBI	TT!CGAA	2	1351; 4052
Bst2BI	C!ACGAG	4	1264; 1545; 4088; 5115
Bst2BI	C!TCGTG	2	1114; 3962
BstBAI	YAC!GTR	3	340; 2486; 3674
Bst4CI	ACN!GT	17	76; 198; 269; 543; 581; 678; 1581; 1612; 1994; 2461; 3750; 3866; 3974; 4297; 4788; 5258; 5329
BstC8I	GCN!NGC	33	86; 279; 593; 721; 925; 1476; 1512; 1933; 1957; 2589; 2632; 2646; 2919; 2938; 2991; 3010; 3264; 3450; 3669; 3735; 3741; 3773; 3814; 3818; 3872; 4155; 4342; 4389; 4445; 4467; 4678; 5238; 5275
BstDEI	C!TNAG	13	620; 878; 1175; 1330; 1562; 1667; 1730; 2850; 3152; 4033; 4482; 4605; 5014
BstDSI	C!CRYGG	3	360; 3099; 3802
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	5	1725; 3230; 3687; 3712; 4166
BstF5I	!CATCC	7	703; 791; 848; 1003; 1673; 1834; 3056
BstFNI	CG!CG	15	60; 2258; 2294; 2670; 2690; 2714; 2745; 3436; 3737; 4175; 4259; 4322; 4391; 4664; 5245
BstH2I	RGCGC!Y	6	598; 1794; 2637; 2645; 3373; 5048
BstHHI	GCG!C	23	597; 1793; 1961; 2636; 2644; 2670; 2692; 2701; 2714; 2745; 3364; 3372; 3436; 3473; 3739; 3999; 4175; 4261; 4664; 4773; 4947; 5047; 5114
BstKTI	GAT!C	25	588; 986; 1136; 1162; 1336; 1823; 2008; 2017; 2030; 3210; 3214; 3233; 3544; 3622; 3703; 3712; 3790; 4166; 4182; 4541; 4553; 4631; 4639; 4650; 4725
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNNGAGAC	6	1240; 1864; 2794; 3212; 4231; 4359
BstMBI	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
BstMCI	CGRY!CG	4	605; 1442; 3279; 4954

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstMWI	GCNNNNN!NNGC	35	90; 212; 244; 283; 376; 400; 657; 1088; 1417; 1450; 1528; 1636; 1692; 1713; 1937; 1965; 2597; 2627; 2654; 2696; 2937; 3009; 3060; 3139; 3361; 3445; 3468; 3607; 3730; 3813; 4080; 4267; 4471; 4670; 5242
BstNI	CC!WGG	21	90; 283; 796; 844; 940; 955; 1084; 1450; 1642; 1660; 1774; 1877; 2906; 2961; 2978; 3757; 4336; 4439; 5129; 5142; 5263
BstNSI	RCATG!Y	5	651; 2940; 3012; 3775; 5292
BstOI	CC!WGG	21	90; 283; 796; 844; 940; 955; 1084; 1450; 1642; 1660; 1774; 1877; 2906; 2961; 2978; 3757; 4336; 4439; 5129; 5142; 5263
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	2	1252; 1579
BstSCI	!CCNGG	30	88; 281; 794; 842; 938; 953; 1082; 1191; 1412; 1433; 1448; 1536; 1640; 1658; 1772; 1829; 1875; 2904; 2959; 2976; 3372; 3532; 3755; 4145; 4334; 4437; 4909; 5127; 5140; 5261
BstSFI	C!TRYAG	4	1358; 2705; 4832; 5023
BstSLI	GKGCM!C	10	676; 703; 736; 1313; 1413; 1506; 1543; 3316; 3409; 4978
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	15	60; 2258; 2294; 2670; 2690; 2714; 2745; 3436; 3737; 4175; 4259; 4322; 4391; 4664; 5245
Bst2UI	CC!WGG	21	90; 283; 796; 844; 940; 955; 1084; 1450; 1642; 1660; 1774; 1877; 2906; 2961; 2978; 3757; 4336; 4439; 5129; 5142; 5263
BstV1I	GCAGCNNNNNNNN!	11	830; 1272; 1526; 1642; 1940; 2158; 3443; 3485; 4006; 4459; 4959
BstV1I	!NNNNNNNNNNNGCTGC	8	949; 1694; 2652; 3317; 3501; 3594; 4660; 4866
BstV2I	GAAGACNN!	3	920; 1153; 1221
BstV2I	!NNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	12	585; 1159; 1333; 2005; 2014; 3541; 3787; 4179; 4538; 4550; 4636; 4647
BstYI	R!GATCY	12	585; 1159; 1333; 2005; 2014; 3541; 3787; 4179; 4538; 4550; 4636; 4647
BstZI	C!GGCCG	2	1439; 3276
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2799; 3589; 5090
BsuI	!NNNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	3210
Bsu36I	CC!TNAGG	3	878; 2850; 4482
BsuRI	GG!CC	34	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1441; 1453; 1525; 1541; 1606; 1762; 1900; 2336; 2478; 3133; 3139; 3148; 3191; 3278; 3452; 3843; 3870; 4379; 4436; 4469; 4814; 5248; 5266; 5277
BsuTUI	AT!CGAT	1	3210
BtgI	C!CRYGG	3	360; 3099; 3802
BtgZI	GCGATGNNNNNNNNNN!	2	2487; 3822
BtgZI	!NNNNNNNNNNNNNNCATCGC	3	334; 3641; 3985
BthCI	GCNG!C	42	770; 821; 965; 1082; 1263; 1423; 1441; 1444; 1517; 1525; 1633; 1710; 1726; 1931; 2149; 2668; 2690; 2704; 3142; 3281; 3333; 3344; 3434; 3439; 3476; 3517; 3604; 3607; 3610; 3846; 3942; 3983; 3997; 4111; 4450; 4465; 4676; 4882; 4885; 4950; 5093; 5248
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	1	1942
BtsI	!CACTGC	1	2209
BtsCI	GGATGNN!	5	1725; 3230; 3687; 3712; 4166
BtsCI	!CATCC	7	703; 791; 848; 1003; 1673; 1834; 3056
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	3	1515; 3638; 4088
BveI	!NNNNNNNNGCAGGT	1	3257
Cac8I	GCN!NGC	33	86; 279; 593; 721; 925; 1476; 1512; 1933; 1957; 2589; 2632; 2646; 2919; 2938; 2991; 3010; 3264; 3450; 3669; 3735; 3741; 3773; 3814; 3818; 3872; 4155; 4342; 4389; 4445; 4467; 4678; 5238; 5275
CaiI	CAGNNN!CTG	3	1286; 4471; 4879
CciI	T!CATGA	2	2796; 4568
CciNI	GC!GGCCGC	1	1439
CdiI	CATC!G	5	352; 3659; 3664; 3862; 4003

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CdiI	C!GATG	2	2473; 3808
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	2	1448; 5242
CdpI	!NNNNNNNNNNNNNNNNNNCTCCGC	3	486; 3031; 3073
CelII	GC!TNAGC	0	
CfoI	GCG!C	23	597; 1793; 1961; 2636; 2644; 2670; 2692; 2701; 2714; 2745; 3364; 3372; 3436; 3473; 3739; 3999; 4175; 4261; 4664; 4773; 4947; 5047; 5114
CfrI	Y!GGCCR	6	1277; 1439; 3276; 3450; 3841; 3868
Cfr9I	C!CCGGG	0	
Cfr10I	R!CCGGY	6	600; 1510; 2587; 3689; 3870; 4153
Cfr13I	G!GNCC	20	83; 276; 769; 1012; 1104; 1125; 1431; 1452; 1524; 1540; 1574; 1612; 1770; 1899; 2477; 3886; 4331; 4377; 4435; 4468
Cfr42I	CCGC!GG	0	
ChaI	GATC!	25	589; 987; 1137; 1163; 1337; 1824; 2009; 2018; 2031; 3211; 3215; 3234; 3545; 3623; 3704; 3713; 3791; 4167; 4183; 4542; 4554; 4632; 4640; 4651; 4726
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	5	715; 3187; 4627; 4727; 4805
CjeI	!NNNNNNNNNACNNNNNNNTGG	8	64; 257; 1569; 2854; 2949; 4141; 4691; 5246
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	8	98; 291; 1603; 2888; 2983; 4175; 4725; 5280
CjeI	!NNNNNNNNCCANNNNNNNGT	5	681; 3153; 4593; 4693; 4771
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	2	4627; 4805
CjePI	!NNNNNNNNNGANNNNNNNNTGG	7	257; 740; 1085; 1539; 1732; 4141; 4740
CjePI	GANNNNNNNTTGGNNNNNNNNNNNNNN!	7	290; 773; 1118; 1572; 1765; 4174; 4773
CjePI	!NNNNNNNNCCANNNNNNNNTC	2	4594; 4772
Clai	AT!CGAT	1	3210
CpoI	CG!GWCCG	1	3886
CseI	GACGCNNNNN!	4	526; 1995; 4080; 4159
CseI	!NNNNNNNNNNNGCGTC	4	1185; 2703; 4598; 5176
CsiI	A!CCWGGT	1	2959
CspI	CG!GWCCG	1	3886
Csp6I	G!TAC	10	218; 243; 298; 331; 382; 539; 663; 813; 1065; 3675
Csp45I	TT!CGAA	2	1351; 4052
CspAI	A!CCGGT	1	600
CspCI	CAANNNNNGTGGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNNN!	5	665; 1256; 1889; 2650; 4259
CstMI	!NNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	26	301; 361; 648; 654; 666; 744; 810; 890; 1101; 1368; 1519; 1569; 1971; 2797; 2937; 3009; 3100; 3241; 3586; 3772; 3803; 3829; 4185; 4569; 5289; 5340
CviJI	RG!CY	114	42; 84; 93; 277; 566; 633; 660; 723; 770; 799; 806; 884; 950; 962; 1013; 1040; 1048; 1082; 1105; 1113; 1127; 1237; 1273; 1279; 1342; 1348; 1372; 1385; 1441; 1453; 1496; 1517; 1525; 1536; 1541; 1555; 1606; 1625; 1633; 1645; 1653; 1665; 1707; 1716; 1762; 1846; 1900; 1905; 2039; 2149; 2316; 2336; 2478; 2559; 2573; 2587; 2868; 2909; 2981; 3104; 3133; 3139; 3148; 3156; 3179; 3191; 3197; 3278; 3295; 3303; 3330; 3355; 3439; 3448; 3452; 3476; 3514; 3590; 3607; 3626; 3689; 3733; 3743; 3760; 3843; 3870; 3874; 3911; 3934; 3950; 4130; 4157; 4218; 4340; 4379; 4436; 4443; 4450; 4469; 4480; 4731; 4760; 4803; 4814; 4879; 4958; 4983; 4988; 5034; 5124; 5222; 5248; 5266; 5277
CviKI-1	RG!CY	114	42; 84; 93; 277; 566; 633; 660; 723; 770; 799; 806; 884; 950; 962; 1013; 1040; 1048; 1082; 1105; 1113; 1127; 1237; 1273; 1279; 1342; 1348; 1372; 1385; 1441; 1453; 1496; 1517; 1525; 1536; 1541; 1555; 1606; 1625; 1633; 1645; 1653; 1665; 1707; 1716; 1762; 1846; 1900; 1905; 2039; 2149; 2316; 2336; 2478; 2559; 2573; 2587; 2868; 2909; 2981; 3104; 3133; 3139; 3148; 3156; 3179; 3191; 3197; 3278; 3295; 3303; 3330; 3355; 3439; 3448; 3452; 3476; 3514; 3590; 3607; 3626; 3689; 3733; 3743; 3760; 3843; 3870; 3874; 3911; 3934; 3950; 4130; 4157; 4218; 4340; 4379; 4436; 4443; 4450; 4469; 4480; 4731; 4760; 4803; 4814; 4879; 4958; 4983; 4988; 5034; 5124; 5222; 5248; 5266; 5277
CviQI	G!TAC	10	218; 243; 298; 331; 382; 539; 663; 813; 1065; 3675

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DdeI	C!TNAG	13	620; 878; 1175; 1330; 1562; 1667; 1730; 2850; 3152; 4033; 4482; 4605; 5014
DinI	GGC!GCC	1	3371
DpnI	GA!TC	25	587; 985; 1135; 1161; 1335; 1822; 2007; 2016; 2029; 3209; 3213; 3232; 3543; 3621; 3702; 3711; 3789; 4165; 4181; 4540; 4552; 4630; 4638; 4649; 4724
DpnII	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
DraI	TTT!AAA	3	2072; 4514; 4533
DraII	RG!GNCCY	4	1431; 1540; 1770; 4468
DraIII	CACNNN!GTG	3	1269; 1886; 2486
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNNNN!	2	266; 4850
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCCTTG	0	
DrdI	GACNNNN!NNGTC	4	1992; 2441; 3397; 5186
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNNN!NNGTC	4	1992; 2441; 3397; 5186
EaeI	Y!GGCCR	6	1277; 1439; 3276; 3450; 3841; 3868
EagI	C!GGCCG	2	1439; 3276
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	623; 2837; 3714; 3924
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	623; 2837; 3714; 3924
EciI	GGCGGANNNNNNNNNNNN!	5	1438; 2870; 3899; 5086; 5232
EciI	!NNNNNNNNNTCCGCC	4	496; 3041; 3062; 3083
Ecl136II	GAG!CTC	1	1342
EclXI	C!GGCCG	2	1439; 3276
Eco24I	GRGCY!C	5	1344; 1543; 2561; 3735; 4445
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	3	1240; 1864; 4359
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	6	1431; 1574; 1612; 1770; 3886; 4331
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	2	1439; 3276
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	4	1129; 1999; 3516; 3948
Eco57I	!NNNNNNNNNNNNNNNCTTCAG	1	4746
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	3	878; 2850; 4482
Eco88I	C!YCGRG	1	1337
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	6	360; 1862; 3099; 3192; 3802; 4207
Eco147I	AGG!CCT	2	1048; 3191
EcoHI	!CCSGG	9	1191; 1412; 1433; 1536; 1829; 3372; 3532; 4145; 4909
EcoICRI	GAG!CTC	1	1342
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	6	1129; 1795; 1999; 3516; 3948; 4210
Eco57MI	!NNNNNNNNNNNNNNNCTYCAG	3	937; 4153; 4746
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	4	1431; 1540; 1770; 4468
EcoRI	G!AATTC	1	1353
EcoRII	!CCWGG	21	88; 281; 794; 842; 938; 953; 1082; 1448; 1640; 1658; 1772; 1875; 2904; 2959; 2976; 3755; 4334; 4437; 5127; 5140; 5261
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	6	360; 1862; 3099; 3192; 3802; 4207
EcoT22I	ATGCA!T	3	2942; 3014; 5345
EcoT38I	GRGCY!C	5	1344; 1543; 2561; 3735; 4445
Eco53kI	GAG!CTC	1	1342
EgeI	GGC!GCC	1	3371
EheI	GGC!GCC	1	3371
ErhI	C!CWWGG	6	360; 1862; 3099; 3192; 3802; 4207
EsaBC3I	TC!GA	17	762; 789; 1257; 1339; 1352; 1365; 2520; 3211; 3484; 3640; 3664; 3700; 3862; 4053; 4098; 4353; 5191

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	26	304; 364; 651; 657; 669; 747; 813; 893; 1104; 1371; 1522; 1572; 1974; 2800; 2940; 3012; 3103; 3244; 3589; 3775; 3806; 3832; 4188; 4572; 5292; 5343
FaiI	YA!TR	67	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 649; 655; 667; 745; 811; 891; 909; 1102; 1155; 1205; 1369; 1480; 1520; 1570; 1908; 1972; 2032; 2042; 2108; 2153; 2358; 2786; 2798; 2929; 2938; 3001; 3010; 3034; 3101; 3125; 3242; 3306; 3587; 3612; 3773; 3804; 3830; 3902; 4118; 4186; 4264; 4316; 4477; 4494; 4496; 4498; 4570; 4848; 5037; 5153; 5226; 5290; 5341
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	2	888; 3710
FalI	!NNNNNNNNNAAGNNNNNCTT	2	856; 3678
FaqI	GGGACNNNNNNNNNN!	7	175; 326; 494; 1587; 3521; 4053; 4162
FaqI	!NNNNNNNNNNNNNGTCCC	7	1935; 1959; 1980; 2886; 2958; 3022; 4317
FatI	!CATG	26	300; 360; 647; 653; 665; 743; 809; 889; 1100; 1367; 1518; 1568; 1970; 2796; 2936; 3008; 3099; 3240; 3585; 3771; 3802; 3828; 4184; 4568; 5288; 5339
FauI	CCCGCNNNN!	13	93; 119; 286; 1077; 1179; 1536; 1960; 2005; 2692; 3047; 3068; 4264; 4396
FauI	!NNNNNGCGGG	7	1114; 1745; 2623; 3493; 4030; 4168; 4315
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	1	2027
FblI	GT!MKAC	2	1199; 1364
FmuI	GGNC!C	20	86; 279; 772; 1015; 1107; 1128; 1434; 1455; 1527; 1543; 1577; 1615; 1773; 1902; 2480; 3889; 4334; 4380; 4438; 4471
Fnu4HI	GC!NGC	42	768; 819; 963; 1080; 1261; 1421; 1439; 1442; 1515; 1523; 1631; 1708; 1724; 1929; 2147; 2666; 2688; 2702; 3140; 3279; 3331; 3342; 3432; 3437; 3474; 3515; 3602; 3605; 3608; 3844; 3940; 3981; 3995; 4109; 4448; 4463; 4674; 4880; 4883; 4948; 5091; 5246
FokI	GGATGNNNNNNNNNN!	5	1732; 3237; 3694; 3719; 4173
FokI	!NNNNNNNNNNNNNCATCC	7	690; 778; 835; 990; 1660; 1821; 3043
FriOI	GRGCY!C	5	1344; 1543; 2561; 3735; 4445
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3472
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	10	592; 1298; 2001; 2018; 2219; 2637; 3193; 4208; 4542; 4795
FspEI	CCNNNNNNNNNNNN!	176	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 690; 720; 737; 751; 784; 798; 816; 840; 855; 885; 918; 945; 960; 979; 1015; 1062; 1081; 1096; 1119; 1141; 1164; 1184; 1205; 1251; 1293; 1309; 1338; 1425; 1447; 1462; 1520; 1539; 1555; 1590; 1620; 1647; 1671; 1690; 1776; 1801; 1843; 1875; 1889; 1914; 1933; 1965; 1989; 2003; 2022; 2053; 2092; 2106; 2247; 2342; 2366; 2389; 2412; 2430; 2452; 2473; 2492; 2511; 2540; 2561; 2575; 2601; 2689; 2715; 2764; 2805; 2823; 2862; 2878; 2916; 2973; 2988; 3045; 3065; 3079; 3096; 3110; 3147; 3162; 3205; 3288; 3355; 3386; 3406; 3421; 3466; 3480; 3546; 3560; 3579; 3595; 3636; 3656; 3703; 3753; 3769; 3789; 3814; 3834; 3857; 3884; 3902; 3928; 3968; 3994; 4018; 4074; 4088; 4116; 4159; 4180; 4215; 4259; 4347; 4371; 4393; 4413; 4429; 4450; 4464; 4483; 4567; 4587; 4615; 4630; 4664; 4706; 4733; 4748; 4793; 4817; 4831; 4853; 4879; 4899; 4923; 4949; 4997; 5016; 5035; 5061; 5096; 5141; 5171; 5185; 5236; 5250; 5275; 5291; 5312; 5341

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FspEI	!NNNNNNNNNNNNNNNGG	151	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 607; 625; 652; 694; 715; 739; 781; 800; 829; 865; 902; 925; 944; 974; 995; 1022; 1061; 1087; 1106; 1178; 1204; 1252; 1291; 1310; 1354; 1384; 1402; 1420; 1444; 1477; 1496; 1522; 1541; 1571; 1595; 1627; 1645; 1668; 1689; 1717; 1737; 1759; 1815; 1840; 1862; 1882; 1948; 1987; 2041; 2141; 2210; 2318; 2367; 2389; 2417; 2453; 2498; 2527; 2563; 2582; 2610; 2630; 2693; 2716; 2824; 2856; 2874; 2903; 2946; 2975; 3086; 3115; 3158; 3179; 3207; 3240; 3260; 3285; 3312; 3337; 3359; 3387; 3413; 3434; 3485; 3506; 3524; 3572; 3608; 3664; 3689; 3713; 3742; 3765; 3789; 3815; 3837; 3856; 3881; 3921; 3957; 4022; 4107; 4131; 4160; 4194; 4215; 4235; 4280; 4307; 4326; 4359; 4411; 4442; 4469; 4521; 4619; 4690; 4735; 4796; 4861; 4895; 4921; 4939; 4975; 5045; 5068; 5090; 5114; 5147; 5195; 5230; 5248; 5305
Fsp4HI	GC!NGC	42	768; 819; 963; 1080; 1261; 1421; 1439; 1442; 1515; 1523; 1631; 1708; 1724; 1929; 2147; 2666; 2688; 2702; 3140; 3279; 3331; 3342; 3432; 3437; 3474; 3515; 3602; 3605; 3608; 3844; 3940; 3981; 3995; 4109; 4448; 4463; 4674; 4880; 4883; 4948; 5091; 5246
GdiII	C!GGCCR	2	1439; 3276
GdiII	Y!GGCCG	4	1439; 3276; 3841; 3868
GlaI	GC!GC	23	596; 1792; 1960; 2635; 2643; 2669; 2691; 2700; 2713; 2744; 3363; 3371; 3435; 3472; 3738; 3998; 4174; 4260; 4663; 4772; 4946; 5046; 5113
GluI	GC!NGC	42	768; 819; 963; 1080; 1261; 1421; 1439; 1442; 1515; 1523; 1631; 1708; 1724; 1929; 2147; 2666; 2688; 2702; 3140; 3279; 3331; 3342; 3432; 3437; 3474; 3515; 3602; 3605; 3608; 3844; 3940; 3981; 3995; 4109; 4448; 4463; 4674; 4880; 4883; 4948; 5091; 5246
GsaI	CCCAG!C	5	1458; 1905; 2917; 2989; 4988
GsaI	GCTGG!G	2	1044; 3878
GsuI	CTGGAGNNNNNNNNNNNNNN!	2	1795; 4210
GsuI	!NNNNNNNNNNNNNNCTCCAG	2	937; 4153
HaeI	WGG!CCW	9	1048; 1279; 1606; 1762; 3191; 3452; 4814; 5266; 5277
HaeII	RGCGC!Y	6	598; 1794; 2637; 2645; 3373; 5048
HaeIII	GG!CC	34	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1441; 1453; 1525; 1541; 1606; 1762; 1900; 2336; 2478; 3133; 3139; 3148; 3191; 3278; 3452; 3843; 3870; 4379; 4436; 4469; 4814; 5248; 5266; 5277
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1744; 2045; 3566
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	1710; 2011; 3532
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1743; 2044; 3565
HaeIV	!NNNNNNNGAYNNNNNRTC	3	1712; 2013; 3534
HapII	C!CGG	25	601; 1193; 1325; 1414; 1435; 1511; 1537; 1830; 2012; 2588; 3275; 3352; 3374; 3402; 3533; 3623; 3690; 3871; 4146; 4154; 4246; 4720; 4910; 4936; 5083
HgaI	GACGCNNNNN!	4	526; 1995; 4080; 4159
HgaI	!NNNNNNNNNNNGCGTC	4	1185; 2703; 4598; 5176
HhaI	GCG!C	23	597; 1793; 1961; 2636; 2644; 2670; 2692; 2701; 2714; 2745; 3364; 3372; 3436; 3473; 3739; 3999; 4175; 4261; 4664; 4773; 4947; 5047; 5114
HinI	GR!CGYC	9	122; 175; 258; 444; 1196; 1987; 3370; 4072; 4151
HinIII	CATG!	26	304; 364; 651; 657; 669; 747; 813; 893; 1104; 1371; 1522; 1572; 1974; 2800; 2940; 3012; 3103; 3244; 3589; 3775; 3806; 3832; 4188; 4572; 5292; 5343
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1743; 2044; 3565
Hin4I	!NNNNNNNNGABNNNNNRTC	4	1711; 2012; 3533; 3563
Hin4I	GABNNNNNRTCNNNNNNNNNNNN!	4	1743; 2044; 3565; 3595
Hin4I	!NNNNNNNNGAYNNNNNVTC	3	1711; 2012; 3533
Hin6I	G!CGC	23	595; 1791; 1959; 2634; 2642; 2668; 2690; 2699; 2712; 2743; 3362; 3370; 3434; 3471; 3737; 3997; 4173; 4259; 4662; 4771; 4945; 5045; 5112
HinP1I	G!CGC	23	595; 1791; 1959; 2634; 2642; 2668; 2690; 2699; 2712; 2743; 3362; 3370; 3434; 3471; 3737; 3997; 4173; 4259; 4662; 4771; 4945; 5045; 5112
HincII	GTY!RAC	2	1365; 2133
HindII	GTY!RAC	2	1365; 2133
HindIII	A!AGCTT	1	1346

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HinfI	G!ANTC	16	410; 749; 899; 1226; 1328; 1858; 2413; 2435; 2845; 3855; 3989; 4041; 4099; 4136; 4918; 5314
HpaI	GTT!AAC	1	2133
HpaII	C!CGG	25	601; 1193; 1325; 1414; 1435; 1511; 1537; 1830; 2012; 2588; 3275; 3352; 3374; 3402; 3533; 3623; 3690; 3871; 4146; 4154; 4246; 4720; 4910; 4936; 5083
HphI	GGTGANNNNNNN!	4	376; 1005; 4441; 4557
HphI	!NNNNNNNTCACC	3	894; 2487; 3548
Hpy8I	GTN!NAC	15	201; 539; 577; 681; 701; 996; 1200; 1209; 1365; 1801; 2133; 2417; 2434; 2489; 4976
Hpy99I	CGWCG!	11	1258; 1398; 1401; 1492; 3460; 3488; 3782; 3797; 4074; 4459; 5192
Hpy166II	GTN!NAC	15	201; 539; 577; 681; 701; 996; 1200; 1209; 1365; 1801; 2133; 2417; 2434; 2489; 4976
Hpy188I	TCN!GA	17	585; 708; 988; 1333; 1401; 1563; 1839; 2544; 3153; 3337; 3681; 4034; 4135; 4614; 4748; 5101; 5179
Hpy188III	TC!NNGA	26	981; 1185; 1325; 1337; 1600; 1851; 2018; 2797; 2849; 3162; 3215; 3388; 3704; 3713; 3796; 3852; 3896; 3986; 4019; 4088; 4569; 4643; 4726; 4824; 4922; 5056
HpyAV	CCTTCNNNNNN!	7	789; 837; 882; 1455; 4015; 4122; 4801
HpyAV	!NNNNNGAAGG	12	709; 1081; 1752; 1848; 1887; 2603; 3498; 4227; 4243; 4426; 4743; 5053
HpyCH4III	ACN!GT	17	76; 198; 269; 543; 581; 678; 1581; 1612; 1994; 2461; 3750; 3866; 3974; 4297; 4788; 5258; 5329
HpyCH4IV	A!CGT	16	122; 134; 175; 258; 339; 444; 977; 1253; 2430; 2442; 2485; 2595; 3486; 3673; 4454; 4587
HpyCH4V	TG!CA	25	651; 701; 1023; 1139; 1360; 1474; 1710; 1726; 1940; 2119; 2146; 2214; 2931; 2940; 3003; 3012; 3127; 3203; 3262; 3421; 3596; 3610; 4680; 4976; 5343
HpyF3I	C!TNAG	13	620; 878; 1175; 1330; 1562; 1667; 1730; 2850; 3152; 4033; 4482; 4605; 5014
HpyF10VI	GCNNNNN!NNGC	35	90; 212; 244; 283; 376; 400; 657; 1088; 1417; 1450; 1528; 1636; 1692; 1713; 1937; 1965; 2597; 2627; 2654; 2696; 2937; 3009; 3060; 3139; 3361; 3445; 3468; 3607; 3730; 3813; 4080; 4267; 4471; 4670; 5242
Hsp92I	GR!CGYC	9	122; 175; 258; 444; 1196; 1987; 3370; 4072; 4151
Hsp92II	CATG!	26	304; 364; 651; 657; 669; 747; 813; 893; 1104; 1371; 1522; 1572; 1974; 2800; 2940; 3012; 3103; 3244; 3589; 3775; 3806; 3832; 4188; 4572; 5292; 5343
HspAI	G!CGC	23	595; 1791; 1959; 2634; 2642; 2668; 2690; 2699; 2712; 2743; 3362; 3370; 3434; 3471; 3737; 3997; 4173; 4259; 4662; 4771; 4945; 5045; 5112
KasI	G!GCGCC	1	3369
KfiI	GG!GWCCC	0	
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	1	1324
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	1	2027
KspAI	GTT!AAC	1	2133
Kzo9I	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	3	623; 3714; 3924
LpnI	RGCG!GCGY	6	596; 1792; 2635; 2643; 3371; 5046
LpnPI	CCDGNNNNNNNNNN!	76	102; 295; 614; 751; 808; 856; 890; 952; 967; 1028; 1096; 1120; 1144; 1206; 1293; 1338; 1427; 1448; 1462; 1520; 1550; 1628; 1654; 1672; 1786; 1801; 1843; 1889; 1915; 1969; 1990; 2025; 2107; 2412; 2601; 2824; 2862; 2878; 2918; 2973; 2990; 3090; 3175; 3288; 3365; 3387; 3410; 3546; 3560; 3579; 3636; 3703; 3753; 3769; 3826; 3884; 4093; 4159; 4183; 4259; 4348; 4451; 4484; 4715; 4733; 4879; 4899; 4923; 4949; 4998; 5096; 5141; 5171; 5250; 5275; 5312

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
LpnPI	!NNNNNNNNNNNNNNCHGG	69	75; 268; 552; 586; 781; 829; 925; 1026; 1069; 1178; 1204; 1291; 1310; 1399; 1420; 1444; 1496; 1522; 1541; 1585; 1627; 1645; 1702; 1729; 1759; 1815; 1862; 1997; 2453; 2573; 2630; 2693; 2891; 2903; 2963; 2975; 3207; 3252; 3295; 3337; 3359; 3387; 3434; 3496; 3518; 3608; 3675; 3698; 3742; 3837; 3856; 3881; 4030; 4131; 4174; 4231; 4321; 4424; 4451; 4469; 4705; 4742; 4895; 4921; 5061; 5079; 5114; 5195; 5248
Lsp1109I	GCAGCNNNNNNNN!	11	830; 1272; 1526; 1642; 1940; 2158; 3443; 3485; 4006; 4459; 4959
Lsp1109I	!NNNNNNNNNNNNNGCTGC	8	949; 1694; 2652; 3317; 3501; 3594; 4660; 4866
LweI	GCATCNNNNN!	10	857; 1682; 1735; 1843; 2186; 2949; 3021; 3669; 3733; 4008
LweI	!NNNNNNNNNGATGC	9	357; 1010; 1049; 1178; 1710; 3328; 3583; 3799; 5191
MabI	A!CCWGGT	1	2959
MaeI	C!TAG	10	592; 1298; 2001; 2018; 2219; 2637; 3193; 4208; 4542; 4795
MaeII	A!CGT	16	122; 134; 175; 258; 339; 444; 977; 1253; 2430; 2442; 2485; 2595; 3486; 3673; 4454; 4587
MaeIII	!GTNAC	15	61; 148; 497; 900; 1734; 1909; 2158; 2659; 2671; 3490; 3796; 4486; 4752; 4868; 4931
MalI	GA!TC	25	587; 985; 1135; 1161; 1335; 1822; 2007; 2016; 2029; 3209; 3213; 3232; 3543; 3621; 3702; 3711; 3789; 4165; 4181; 4540; 4552; 4630; 4638; 4649; 4724
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	4	157; 240; 426; 1562
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2794; 3983
MbiI	GAG!CGG	2	2630; 4037
MboI	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
MboII	GAAGANNNNNNNN!	11	640; 925; 1038; 1158; 1226; 1824; 2626; 2854; 3731; 3941; 4560
MboII	!NNNNNNNTCTTC	5	1380; 4021; 4188; 4388; 4631
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	2120
MfII	R!GATCY	12	585; 1159; 1333; 2005; 2014; 3541; 3787; 4179; 4538; 4550; 4636; 4647
MhII	GDGCH!C	17	676; 703; 736; 1313; 1344; 1413; 1506; 1543; 1970; 2561; 3316; 3409; 3483; 3673; 3735; 4445; 4978
MIsI	TGG!CCA	2	1279; 3452
MluI	A!CGCGT	1	2256
MluNI	TGG!CCA	2	1279; 3452
MlyI	GAGTCNNNNN!	3	908; 2422; 2854
MlyI	!NNNNNGACTC	5	404; 1322; 2429; 4035; 4912
Mly113I	GG!CGCC	1	3370
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	2	1031; 2463
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	3	1379; 4895; 5079
MnI	CCTCNNNNNNN!	13	782; 961; 976; 1059; 1192; 1303; 2089; 3153; 3971; 4177; 4491; 4861; 5185
MnII	!NNNNNNGAGG	31	541; 663; 702; 723; 756; 873; 982; 1038; 1227; 1260; 1410; 1422; 1485; 1557; 1596; 1683; 1770; 1833; 1860; 2049; 2514; 2845; 3123; 3166; 3181; 3221; 3285; 3421; 3778; 4208; 5111
Mph1103I	ATGCA!T	3	2942; 3014; 5345
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	1324
MroNI	G!CCGGC	4	1510; 2587; 3870; 4153
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	2	1279; 3452
MseI	T!TAA	18	7; 638; 863; 1319; 2071; 2132; 2253; 2274; 2285; 2297; 2308; 2325; 2423; 2694; 4513; 4527; 4532; 4584
MslI	CAYNN!NNRTG	5	365; 613; 652; 1057; 3807
MspI	C!CGG	25	601; 1193; 1325; 1414; 1435; 1511; 1537; 1830; 2012; 2588; 3275; 3352; 3374; 3402; 3533; 3623; 3690; 3871; 4146; 4154; 4246; 4720; 4910; 4936; 5083
Msp20I	TGG!CCA	2	1279; 3452
MspA1I	CMG!CKG	5	1072; 2868; 3476; 4705; 4950
MspCI	C!TTAAG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	CNNRNNNNNNNNN!	276	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; 632; 646; 660; 678; 708; 726; 741; 756; 774; 807; 822; 850; 865; 889; 902; 918; 936; 950; 966; 979; 993; 1014; 1027; 1048; 1067; 1081; 1095; 1113; 1126; 1143; 1164; 1183; 1197; 1224; 1242; 1262; 1276; 1292; 1309; 1324; 1337; 1351; 1364; 1380; 1404; 1425; 1446; 1461; 1479; 1503; 1519; 1540; 1555; 1568; 1581; 1612; 1627; 1641; 1654; 1670; 1690; 1708; 1723; 1742; 1756; 1775; 1800; 1816; 1830; 1843; 1863; 1887; 1913; 1933; 1953; 1968; 1981; 1996; 2009; 2024; 2038; 2053; 2077; 2094; 2107; 2148; 2162; 2175; 2193; 2231; 2246; 2264; 2305; 2329; 2349; 2367; 2388; 2411; 2443; 2458; 2480; 2498; 2511; 2532; 2549; 2562; 2575; 2591; 2604; 2634; 2649; 2674; 2692; 2705; 2720; 2744; 2758; 2782; 2807; 2823; 2861; 2877; 2916; 2930; 2944; 2972; 2988; 3002; 3016; 3045; 3058; 3079; 3088; 3110; 3140; 3156; 3174; 3204; 3227; 3251; 3275; 3294; 3322; 3348; 3364; 3377; 3400; 3414; 3434; 3447; 3461; 3480; 3494; 3507; 3523; 3538; 3551; 3567; 3582; 3598; 3623; 3642; 3658; 3671; 3684; 3702; 3716; 3730; 3746; 3768; 3784; 3803; 3825; 3841; 3864; 3883; 3897; 3913; 3927; 3947; 3963; 3976; 3998; 4031; 4045; 4065; 4078; 4092; 4146; 4159; 4182; 4195; 4214; 4231; 4258; 4294; 4327; 4346; 4371; 4392; 4419; 4432; 4449; 4463; 4478; 4494; 4554; 4579; 4595; 4617; 4630; 4644; 4675; 4689; 4714; 4732; 4747; 4760; 4779; 4792; 4807; 4836; 4855; 4873; 4898; 4913; 4932; 4948; 4967; 4985; 5001; 5015; 5034; 5061; 5084; 5106; 5125; 5140; 5153; 5170; 5190; 5217; 5230; 5249; 5274; 5297; 5311; 5324; 5341
MspJI	!NNNNNNNNNNNNYNG	225	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 607; 625; 652; 682; 706; 724; 748; 767; 789; 829; 850; 876; 896; 925; 967; 1001; 1022; 1042; 1069; 1087; 1104; 1122; 1150; 1171; 1190; 1216; 1238; 1261; 1284; 1310; 1331; 1354; 1378; 1399; 1420; 1441; 1461; 1484; 1505; 1523; 1542; 1579; 1601; 1627; 1645; 1662; 1697; 1717; 1739; 1759; 1780; 1804; 1823; 1849; 1874; 1893; 1918; 1938; 1957; 1983; 2004; 2022; 2051; 2080; 2122; 2205; 2243; 2267; 2290; 2319; 2363; 2385; 2417; 2453; 2470; 2491; 2528; 2548; 2565; 2582; 2617; 2635; 2653; 2670; 2694; 2716; 2743; 2771; 2797; 2835; 2856; 2873; 2891; 2914; 2935; 2963; 2986; 3007; 3025; 3046; 3063; 3086; 3110; 3130; 3148; 3170; 3201; 3223; 3249; 3268; 3285; 3313; 3332; 3351; 3369; 3387; 3408; 3430; 3454; 3487; 3507; 3525; 3546; 3572; 3599; 3616; 3633; 3650; 3676; 3698; 3720; 3738; 3758; 3777; 3799; 3837; 3857; 3881; 3901; 3921; 3948; 3972; 4005; 4024; 4052; 4074; 4103; 4131; 4156; 4175; 4194; 4215; 4232; 4249; 4280; 4307; 4327; 4350; 4370; 4407; 4424; 4443; 4469; 4489; 4528; 4555; 4574; 4592; 4629; 4647; 4688; 4706; 4732; 4749; 4781; 4810; 4838; 4859; 4882; 4901; 4922; 4940; 4957; 4975; 5001; 5022; 5042; 5062; 5080; 5101; 5127; 5144; 5163; 5182; 5211; 5230; 5248; 5267; 5285; 5303; 5326
MspR9I	CC!NGG	30	90; 283; 796; 844; 940; 955; 1084; 1193; 1414; 1435; 1450; 1538; 1642; 1660; 1774; 1831; 1877; 2906; 2961; 2978; 3374; 3534; 3757; 4147; 4336; 4439; 4911; 5129; 5142; 5263
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	2120
MvaI	CC!WGG	21	90; 283; 796; 844; 940; 955; 1084; 1450; 1642; 1660; 1774; 1877; 2906; 2961; 2978; 3757; 4336; 4439; 5129; 5142; 5263
Mva1269I	GAATGCN!	1	2121
Mva1269I	G!CATTC	1	2214
MvnI	CG!CG	15	60; 2258; 2294; 2670; 2690; 2714; 2745; 3436; 3737; 4175; 4259; 4322; 4391; 4664; 5245
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	35	90; 212; 244; 283; 376; 400; 657; 1088; 1417; 1450; 1528; 1636; 1692; 1713; 1937; 1965; 2597; 2627; 2654; 2696; 2937; 3009; 3060; 3139; 3361; 3445; 3468; 3607; 3730; 3813; 4080; 4267; 4471; 4670; 5242
NaeI	GCC!GGC	4	1512; 2589; 3872; 4155
NarI	GG!CGCC	1	3370
NciI	CC!SGG	9	1193; 1414; 1435; 1538; 1831; 3374; 3534; 4147; 4911
NcoI	C!CATGG	3	360; 3099; 3802
NdeI	CA!TATG	1	234

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NdeII	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	2	280; 1389
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	740
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	776
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	2	244; 1353
NgoMIV	G!CCGGC	4	1510; 2587; 3870; 4153
NheI	G!CTAGC	1	591
NlaIII	CATG!	26	304; 364; 651; 657; 669; 747; 813; 893; 1104; 1371; 1522; 1572; 1974; 2800; 2940; 3012; 3103; 3244; 3589; 3775; 3806; 3832; 4188; 4572; 5292; 5343
NlaIV	GGN!NCC	26	467; 675; 735; 1126; 1410; 1433; 1505; 1526; 1542; 1575; 1664; 1786; 2007; 2525; 2546; 2558; 2749; 2910; 2982; 3371; 3406; 4254; 4333; 4378; 5221; 5260
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	3	2202; 2517; 4109
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 1000; 5181
Nli3877I	CYCGR!G	1	1341
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	3159; 3595
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1016; 3124
NmeDI	RCCGGYNNNNNNNN!	6	612; 1522; 2599; 3701; 3882; 4165
NmeDI	!NNNNNNNNNNNNRCCGGY	6	587; 1497; 2574; 3676; 3857; 4140
NmuCI	!GTSAC	6	900; 1734; 1909; 2659; 3490; 3796
NotI	GC!GGCCGC	1	1439
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3472
NsiI	ATGCA!T	3	2942; 3014; 5345
NspI	RCATG!Y	5	651; 2940; 3012; 3775; 5292
NspV	TT!CGAA	2	1351; 4052
OliI	CACNN!NNGTG	1	613
PabI	GTA!C	10	220; 245; 300; 333; 384; 541; 665; 815; 1067; 3677
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2940; 3012; 3775
PaeR7I	C!TCGAG	1	1337
PagI	T!CATGA	2	2796; 4568
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	843; 4335; 4438
PauI	G!CGCGC	0	
PceI	AGG!CCT	2	1048; 3191
PciI	A!CATGT	1	5288
PciSI	GCTCTTCN!	0	
PciSI	!NNNNGAAGAGC	3	623; 3714; 3924
PciSI	WCGNNNN!NNNCGW	7	1262; 3664; 3741; 3984; 4058; 4451; 4969
PctI	GAATGCN!	1	2121
PctI	G!CATTC	1	2214
PdiI	GCC!GGC	4	1512; 2589; 3872; 4155
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	8	749; 1226; 1858; 3855; 3989; 4099; 4136; 5314
Pfi23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3488
PfIMI	CCANNNN!NTGG	0	
PfoI	T!CCNGGA	2	953; 4145
PhoI	GG!CC	34	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1441; 1453; 1525; 1541; 1606; 1762; 1900; 2336; 2478; 3133; 3139; 3148; 3191; 3278; 3452; 3843; 3870; 4379; 4436; 4469; 4814; 5248; 5266; 5277
PinAI	A!CCGGT	1	600
PlaDI	CATCAGNNNNNNNNNNNNNNNNNN!	1	3751
PlaDI	!NNNNNNNNNNNNNNNNNNCTGATG	4	1353; 1599; 3316; 3571
PleI	GAGTCNNNN!	3	907; 2421; 2853
PleI	!NNNNNGACTC	5	404; 1322; 2429; 4035; 4912
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmII	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	2452

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PpiI	!NNNNNNNNGAGNNNNNGTTC	1	4582
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	4614
PpiI	!NNNNNNNGAACNNNNNNCTC	1	2420
PpsI	GAGTCNNNN!	3	907; 2421; 2853
PpsI	!NNNNNGACTC	5	404; 1322; 2429; 4035; 4912
Ppu10I	A!TGCAT	3	2938; 3010; 5341
Ppu21I	YAC!GTR	3	340; 2486; 3674
PpuMI	RG!GWCCY	2	1431; 1770
PscI	A!CATGT	1	5288
PshAI	GACNN!NNGTC	2	1252; 1579
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	2153; 2358
Psp03I	GGWC!C	6	1434; 1577; 1615; 1773; 3889; 4334
Psp5II	RG!GWCCY	2	1431; 1770
Psp6I	!CCWGG	21	88; 281; 794; 842; 938; 953; 1082; 1448; 1640; 1658; 1772; 1875; 2904; 2959; 2976; 3755; 4334; 4437; 5127; 5140; 5261
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	1344
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	21	88; 281; 794; 842; 938; 953; 1082; 1448; 1640; 1658; 1772; 1875; 2904; 2959; 2976; 3755; 4334; 4437; 5127; 5140; 5261
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	26	467; 675; 735; 1126; 1410; 1433; 1505; 1526; 1542; 1575; 1664; 1786; 2007; 2525; 2546; 2558; 2749; 2910; 2982; 3371; 3406; 4254; 4333; 4378; 5221; 5260
PspOMI	G!GGCCC	1	1539
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNN!	3	125; 3100; 4099
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3502
PspPI	G!GNCC	20	83; 276; 769; 1012; 1104; 1125; 1431; 1452; 1524; 1540; 1574; 1612; 1770; 1899; 2477; 3886; 4331; 4377; 4435; 4468
PspPPI	RG!GWCCY	2	1431; 1770
PspPRI	CCYCAGNNNNNNNNNNNNNNNN!	4	1894; 2923; 2995; 4501
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	5	864; 1292; 1548; 2836; 4031
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	4	1434; 1543; 1773; 4471
PstI	CTGCA!G	1	1362
PstNI	CAGNNN!CTG	3	1286; 4471; 4879
PsuI	R!GATCY	12	585; 1159; 1333; 2005; 2014; 3541; 3787; 4179; 4538; 4550; 4636; 4647
PsyI	GACN!NNGTC	1	3488
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	2868; 3476
RcaI	T!CATGA	2	2796; 4568
RceI	CATCGACNNNNNNNNNNNNNNNNNNNN!	1	3885
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNNNN!	1	2099
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	10	219; 244; 299; 332; 383; 540; 664; 814; 1066; 3676
RsaNI	G!TAC	10	218; 243; 298; 331; 382; 539; 663; 813; 1065; 3675
RseI	CAYNN!NNRTG	5	365; 613; 652; 1057; 3807
RsrII	CG!GWCCG	1	3886
Rsr2I	CG!GWCCG	1	3886

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SacI	GAGCT!C	1	1344
SacII	CCGC!GG	0	
SalI	G!TCGAC	1	1363
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	3	623; 3714; 3924
SaqAI	T!TAA	18	7; 638; 863; 1319; 2071; 2132; 2253; 2274; 2285; 2297; 2308; 2325; 2423; 2694; 4513; 4527; 4532; 4584
SatI	GC!NGC	42	768; 819; 963; 1080; 1261; 1421; 1439; 1442; 1515; 1523; 1631; 1708; 1724; 1929; 2147; 2666; 2688; 2702; 3140; 3279; 3331; 3342; 3432; 3437; 3474; 3515; 3602; 3605; 3608; 3844; 3940; 3981; 3995; 4109; 4448; 4463; 4674; 4880; 4883; 4948; 5091; 5246
Sau96I	G!GNCC	20	83; 276; 769; 1012; 1104; 1125; 1431; 1452; 1524; 1540; 1574; 1612; 1770; 1899; 2477; 3886; 4331; 4377; 4435; 4468
Sau3AI	!GATC	25	585; 983; 1133; 1159; 1333; 1820; 2005; 2014; 2027; 3207; 3211; 3230; 3541; 3619; 3700; 3709; 3787; 4163; 4179; 4538; 4550; 4628; 4636; 4647; 4722
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	908; 2422; 2854
SchI	!NNNNNGACTC	5	404; 1322; 2429; 4035; 4912
SciI	CTC!GAG	1	1339
ScrFI	CC!NGG	30	90; 283; 796; 844; 940; 955; 1084; 1193; 1414; 1435; 1450; 1538; 1642; 1660; 1774; 1831; 1877; 2906; 2961; 2978; 3374; 3534; 3757; 4147; 4336; 4439; 4911; 5129; 5142; 5263
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNNNN!	10	1050; 1118; 1238; 1485; 1626; 1686; 2948; 3020; 3189; 5131
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	2	3525; 4010
SdeOSI	GACNNNNRTGANNNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNNRTGA	1	245
SduI	GDGCH!C	17	676; 703; 736; 1313; 1344; 1413; 1506; 1543; 1970; 2561; 3316; 3409; 3483; 3673; 3735; 4445; 4978
SelI	!CGCG	15	58; 2256; 2292; 2668; 2688; 2712; 2743; 3434; 3735; 4173; 4257; 4320; 4389; 4662; 5243
SetI	ASST!	70	125; 137; 178; 261; 308; 342; 447; 552; 568; 635; 662; 758; 808; 829; 980; 1115; 1133; 1184; 1252; 1256; 1271; 1295; 1344; 1350; 1509; 1718; 1736; 1775; 1898; 1907; 2060; 2081; 2090; 2102; 2151; 2318; 2433; 2445; 2488; 2525; 2575; 2598; 2722; 2870; 2965; 3158; 3271; 3399; 3478; 3489; 3561; 3632; 3676; 3936; 4082; 4126; 4457; 4488; 4547; 4590; 4733; 4754; 4853; 4990; 5005; 5024; 5036; 5080; 5126; 5177
SexAI	A!CCWGGT	1	2959
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	10	857; 1682; 1735; 1843; 2186; 2949; 3021; 3669; 3733; 4008
SfaNI	!NNNNNNNNNGATGC	9	357; 1010; 1049; 1178; 1710; 3328; 3583; 3799; 5191
SfcI	C!TRYAG	4	1358; 2705; 4832; 5023
SfiI	GGCCNNNN!NGGCC	1	3145
SfoI	GGC!GCC	1	3371
Sfr274I	C!TCGAG	1	1337
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	2	1351; 4052

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNN!	215	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 660; 678; 708; 732; 750; 765; 807; 822; 855; 889; 902; 930; 951; 966; 993; 1027; 1048; 1068; 1081; 1095; 1113; 1126; 1143; 1176; 1197; 1231; 1269; 1292; 1310; 1337; 1351; 1380; 1404; 1425; 1446; 1461; 1479; 1503; 1519; 1540; 1557; 1581; 1612; 1627; 1653; 1671; 1692; 1723; 1749; 1765; 1785; 1800; 1816; 1830; 1843; 1863; 1888; 1914; 1935; 1964; 1983; 2009; 2024; 2077; 2106; 2148; 2231; 2269; 2305; 2389; 2411; 2443; 2480; 2498; 2517; 2532; 2574; 2591; 2608; 2643; 2657; 2674; 2696; 2720; 2744; 2809; 2823; 2861; 2877; 2917; 2930; 2949; 2972; 2989; 3002; 3021; 3051; 3072; 3089; 3112; 3147; 3174; 3205; 3227; 3253; 3275; 3294; 3322; 3358; 3377; 3400; 3414; 3434; 3447; 3461; 3480; 3494; 3513; 3545; 3559; 3572; 3598; 3629; 3642; 3659; 3676; 3690; 3707; 3725; 3740; 3768; 3784; 3803; 3825; 3841; 3864; 3883; 3908; 3927; 3947; 3974; 3998; 4031; 4050; 4078; 4092; 4158; 4182; 4197; 4220; 4241; 4258; 4306; 4333; 4347; 4376; 4400; 4433; 4450; 4470; 4483; 4496; 4554; 4581; 4600; 4630; 4655; 4675; 4689; 4714; 4732; 4769; 4807; 4836; 4864; 4878; 4898; 4913; 4934; 4948; 4967; 4985; 5001; 5041; 5061; 5088; 5106; 5127; 5140; 5153; 5170; 5194; 5217; 5249; 5274; 5301; 5323
SgeI	!NNNNNNNNNNNNCNG	188	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 634; 652; 682; 706; 724; 748; 781; 829; 863; 904; 925; 967; 1001; 1022; 1042; 1069; 1087; 1108; 1129; 1150; 1171; 1205; 1243; 1266; 1284; 1311; 1331; 1354; 1378; 1399; 1420; 1441; 1461; 1486; 1505; 1523; 1542; 1586; 1627; 1645; 1666; 1697; 1723; 1750; 1774; 1804; 1825; 1849; 1888; 1909; 1938; 1957; 1983; 2004; 2051; 2080; 2122; 2205; 2243; 2279; 2363; 2385; 2417; 2454; 2472; 2491; 2548; 2565; 2582; 2617; 2635; 2655; 2675; 2694; 2718; 2783; 2835; 2891; 2923; 2946; 2963; 2995; 3025; 3046; 3063; 3086; 3121; 3148; 3179; 3201; 3227; 3249; 3268; 3296; 3332; 3351; 3374; 3395; 3413; 3430; 3454; 3487; 3519; 3546; 3572; 3603; 3633; 3650; 3676; 3699; 3720; 3742; 3762; 3782; 3799; 3838; 3857; 3882; 3901; 3921; 3948; 3972; 4005; 4024; 4052; 4074; 4132; 4156; 4175; 4194; 4215; 4232; 4280; 4307; 4327; 4350; 4374; 4407; 4424; 4444; 4470; 4528; 4555; 4574; 4604; 4629; 4649; 4688; 4706; 4743; 4781; 4810; 4838; 4859; 4887; 4908; 4941; 4959; 5015; 5035; 5062; 5080; 5101; 5127; 5144; 5168; 5191; 5223; 5248; 5275; 5297; 5326
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 2517; 4304; 5097
SimI	!GACCC	7	106; 1431; 1655; 1871; 3798; 4366; 4614
SinI	G!GWCC	6	1431; 1574; 1612; 1770; 3886; 4331
Slal	C!TCGAG	1	1337
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	5	365; 613; 652; 1057; 3807
SmlI	C!TYRAG	7	1183; 1337; 1343; 3761; 4643; 4920; 5182
SmoI	C!TYRAG	7	1183; 1337; 1343; 3761; 4643; 4920; 5182
SmuI	CCCGCNNNN!	13	93; 119; 286; 1077; 1179; 1536; 1960; 2005; 2692; 3047; 3068; 4264; 4396
SmuI	!NNNNNNGCGGG	7	1114; 1745; 2623; 3493; 4030; 4168; 4315
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2940; 3012; 3775
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	12	18; 1320; 1353; 2120; 2184; 2262; 2288; 2299; 2946; 3018; 3110; 4528
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	1	1770
SseBI	AGG!CCT	2	1048; 3191
SsiI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 932; 1070; 1172; 1442; 1529; 1677; 1953; 1998; 2685; 2688; 2702; 2792; 3040; 3052; 3061; 3073; 3083; 3094; 3140; 3279; 3342; 3844; 3889; 3955; 3981; 4106; 4109; 4257; 4389; 4696; 4840; 5336

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SsiI	G!CGG	31	370; 403; 528; 767; 1079; 1121; 1420; 1423; 1438; 1522; 1752; 2630; 2657; 2745; 2855; 3436; 3500; 3601; 3604; 3884; 3939; 4037; 4175; 4322; 4462; 4705; 4950; 5071; 5090; 5217; 5245
SspI	AAT!ATT	2	2278; 2831
SspDI	G!GCGCC	1	3369
SspD5I	GGTGANNNNNNNN!	4	376; 1005; 4441; 4557
SspD5I	!NNNNNNNNTCACC	3	893; 2486; 3547
SstI	GAGCT!C	1	1344
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	938
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	24	92; 118; 285; 860; 1076; 1178; 1199; 1420; 1441; 1535; 1959; 2004; 2569; 2691; 3046; 3067; 3380; 3783; 3922; 3993; 4263; 4395; 4625; 5063
Sth132I	!NNNNNNNNCGGG	24	15; 407; 470; 909; 1113; 1491; 1529; 1744; 1822; 2570; 2622; 2723; 3450; 3492; 3525; 4029; 4138; 4167; 4314; 4418; 4449; 4902; 4946; 5154
Sth302II	CC!GG	25	602; 1194; 1326; 1415; 1436; 1512; 1538; 1831; 2013; 2589; 3276; 3353; 3375; 3403; 3534; 3624; 3691; 3872; 4147; 4155; 4247; 4721; 4911; 4937; 5084
StrI	C!TCGAG	1	1337
StsI	GGATGNNNNNNNNNN!	5	1733; 3238; 3695; 3720; 4174
StsI	!NNNNNNNNNNNNNNNCATCC	7	689; 777; 834; 989; 1659; 1820; 3042
StuI	AGG!CCT	2	1048; 3191
StyI	C!CWWGG	6	360; 1862; 3099; 3192; 3802; 4207
StyD4I	!CCNGG	30	88; 281; 794; 842; 938; 953; 1082; 1191; 1412; 1433; 1448; 1536; 1640; 1658; 1772; 1829; 1875; 2904; 2959; 2976; 3372; 3532; 3755; 4145; 4334; 4437; 4909; 5127; 5140; 5261
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	17	76; 198; 269; 543; 581; 678; 1581; 1612; 1994; 2461; 3750; 3866; 3974; 4297; 4788; 5258; 5329
TaiI	ACGT!	16	125; 137; 178; 261; 342; 447; 980; 1256; 2433; 2445; 2488; 2598; 3489; 3676; 4457; 4590
TaqI	T!CGA	17	761; 788; 1256; 1338; 1351; 1364; 2519; 3210; 3483; 3639; 3663; 3699; 3861; 4052; 4097; 4352; 5190
TaqII	GACCGANNNNNNNNNNN!	3	2390; 3407; 4075
TaqII	!NNNNNNNNNTCGGTC	1	4319
TaqII	CACCCANNNNNNNNNNN!	2	751; 856
TaqII	!NNNNNNNNNTGGGTG	3	172; 3274; 3866
TasI	!AATT	12	18; 1320; 1353; 2120; 2184; 2262; 2288; 2299; 2946; 3018; 3110; 4528
TatI	W!GTACW	5	217; 297; 330; 381; 662
TauI	GCSG!C	21	770; 1082; 1423; 1441; 1444; 1525; 2690; 2704; 3142; 3281; 3344; 3439; 3604; 3607; 3846; 3942; 3983; 4111; 4465; 5093; 5248
TfiI	G!AWTC	8	749; 1226; 1858; 3855; 3989; 4099; 4136; 5314
TliI	C!TCGAG	1	1337
TruII	T!TAA	18	7; 638; 863; 1319; 2071; 2132; 2253; 2274; 2285; 2297; 2308; 2325; 2423; 2694; 4513; 4527; 4532; 4584
Tru9I	T!TAA	18	7; 638; 863; 1319; 2071; 2132; 2253; 2274; 2285; 2297; 2308; 2325; 2423; 2694; 4513; 4527; 4532; 4584
TscAI	CASTGNN!	7	1942; 1997; 2216; 3499; 4609; 4880; 4893
TseI	G!CWGC	21	818; 962; 1260; 1514; 1630; 1707; 1723; 1928; 2146; 2665; 3330; 3431; 3473; 3514; 3607; 3994; 4447; 4673; 4879; 4882; 4947
TsoI	TARCCANNNNNNNNNNN!	2	2342; 2689
TsoI	!NNNNNNNNNTGGYTA	4	787; 1613; 2147; 3899
Tsp45I	!GTSAC	6	900; 1734; 1909; 2659; 3490; 3796
Tsp509I	!AATT	12	18; 1320; 1353; 2120; 2184; 2262; 2288; 2299; 2946; 3018; 3110; 4528
TspDTI	ATGAANNNNNNNNNNN!	4	670; 2128; 3429; 4133
TspDTI	!NNNNNNNNNTTCAT	6	26; 798; 819; 3847; 4303; 4510
TspEI	!AATT	12	18; 1320; 1353; 2120; 2184; 2262; 2288; 2299; 2946; 3018; 3110; 4528
TspGWI	ACGGANNNNNNNNNNN!	2	1753; 4245
TspGWI	!NNNNNNNNNTCCGT	0	
TspMI	C!CCGGG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TspRI	CASTGNN!	7	1942; 1997; 2216; 3499; 4609; 4880; 4893
TstI	CACNNNNNTCCNNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNNGTG	0	
TstI	GGANNNNNGTGNNNNNNNNNNNN!	0	
TstI	!NNNNNNNNCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	3488
Tth111II	CAARCANNNNNNNNNN!	2	1948; 4697
Tth111II	!NNNNNNNNNTGYTTG	3	3805; 4665; 4704
UnbI	!GGNCC	20	82; 275; 768; 1011; 1103; 1124; 1430; 1451; 1523; 1539; 1573; 1611; 1769; 1898; 2476; 3885; 4330; 4376; 4434; 4467
Van91I	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	0	
VneI	G!TGCAC	2	699; 4974
VpaK11AI	!GGWCC	6	1430; 1573; 1611; 1769; 3885; 4330
VpaK11BI	G!GWCC	6	1431; 1574; 1612; 1770; 3886; 4331
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	1353; 2184; 2288; 2299
XbaI	T!CTAGA	1	2017
XceI	RCATG!Y	5	651; 2940; 3012; 3775; 5292
XcmI	CCANNNN!NNNTGG	2	1770; 1883
XhoI	C!TCGAG	1	1337
XhoII	R!GATCY	12	585; 1159; 1333; 2005; 2014; 3541; 3787; 4179; 4538; 4550; 4636; 4647
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	2	3192; 4207
XmiI	GT!MKAC	2	1199; 1364
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	10	592; 1298; 2001; 2018; 2219; 2637; 3193; 4208; 4542; 4795
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2942; 3014; 5345