

pPA-TagRFP-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	1896; 2101
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	1	870
AasI	GACNNNN!NNGTC	3	2184; 3140; 4929
AatI	AGG!CCT	1	2934
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	3	640; 1525; 1627
AccII	CG!CG	15	60; 1762; 2037; 2413; 2433; 2457; 2488; 3179; 3480; 3918; 4002; 4065; 4134; 4407; 4988
AccIII	T!CCGGA	0	
Acc16I	TGC!GCA	1	3215
Acc36I	ACCTGCNNNN!	2	3381; 3831
Acc36I	!NNNNNNNNGCAGGT	3	788; 870; 3000
Acc65I	G!GTACC	1	645
AccB1I	G!GYRCC	7	465; 645; 1101; 1161; 2266; 3112; 3147
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	2537; 3726
AccBSI	GAG!CGG	2	2373; 3780
AceIII	CAGCTCNNNNNNN!	1	2069
AceIII	!NNNNNNNNNNGAGCTG	2	552; 1047
AciI	C!CGC	40	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1360; 1498; 1600; 1640; 1760; 2428; 2431; 2445; 2535; 2783; 2795; 2804; 2816; 2826; 2837; 2883; 3022; 3085; 3587; 3632; 3698; 3724; 3849; 3852; 4000; 4132; 4439; 4583; 5079
AciI	G!CGG	29	370; 403; 528; 708; 733; 1195; 1507; 1549; 1756; 2373; 2400; 2488; 2598; 3179; 3243; 3344; 3347; 3627; 3682; 3780; 3918; 4065; 4205; 4448; 4693; 4814; 4833; 4960; 4988
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	8	1042; 2981; 3292; 3538; 3930; 4289; 4387; 4473
AclWI	!NNNNNGATCC	8	580; 932; 1029; 1582; 3357; 3901; 4288; 4385
AcoI	Y!GGCCR	8	946; 976; 1705; 1757; 3019; 3193; 3584; 3611
AcsI	R!AATY	5	629; 845; 1927; 2031; 2042
AcuI	CTGAAGNNNNNNNNNNNNNNN!	4	813; 1557; 3259; 3691
AcuI	!NNNNNNNNNNNNNCTTCAG	1	4489
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	8	122; 175; 258; 444; 1624; 3113; 3815; 3894
AdeI	CACNNN!GTG	3	989; 1697; 2229
AfaI	GT!AC	13	219; 244; 299; 332; 383; 540; 647; 783; 1001; 1020; 1092; 1242; 3419
AfeI	AGC!GCT	3	596; 915; 1028
AfiI	CCNNNNN!NNGG	24	49; 692; 813; 1158; 1271; 1288; 1437; 1503; 1646; 2125; 2451; 2843; 3094; 3638; 3919; 3951; 4083; 4118; 4168; 4200; 4553; 4832; 4998; 5016
AfIII	C!TTAAG	1	1995
AfIII	A!CRYGT	1	5031
AgeI	A!CCGGT	1	1040
AgsI	TTS!AA	7	1124; 1574; 2524; 2568; 2578; 2991; 4567
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	19	88; 281; 895; 930; 965; 1222; 1270; 1366; 1381; 1510; 2647; 2702; 2719; 3498; 4077; 4180; 4870; 4883; 5004
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	0	
AlfI	GCANNNNNTGCNNNNNNNNNNNN!	2	2687; 2759
AlfI	!NNNNNNNNNNNGCANNNNNTGC	2	2653; 2725
AloI	GAACNNNNNTCCNNNNNNNNNN!	2	1448; 2195
AloI	!NNNNNNNGGANNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	2	1416; 2163
AluI	AG!CT	20	566; 618; 624; 766; 1061; 1088; 1234; 1541; 1745; 1892; 2059; 2316; 2611; 2899; 3219; 3677; 4474; 4731; 4777; 4867
AluBI	AG!CT	20	566; 618; 624; 766; 1061; 1088; 1234; 1541; 1745; 1892; 2059; 2316; 2611; 2899; 3219; 3677; 4474; 4731; 4777; 4867
AlwI	GGATCNNNN!	8	1042; 2981; 3292; 3538; 3930; 4289; 4387; 4473
AlwI	!NNNNNGATCC	8	580; 932; 1029; 1582; 3357; 3901; 4288; 4385
Alw21I	GWGCW!C	6	620; 1131; 1482; 3226; 3416; 4721
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	5	1668; 2537; 2955; 3974; 4102
Alw44I	G!TGCAC	2	1127; 4717
AlwNI	CAGNN!CTG	2	4214; 4622
Ama87I	C!YCGRG	1	613
Aor13HI	T!CCGGA	0	
Aor51HI	AGC!GCT	3	596; 915; 1028
ApaI	GGGCC!C	0	
ApaBI	GCANNNN!TGC	3	2681; 2753; 4215
ApaLI	G!TGCAC	2	1127; 4717
ApeKI	G!CWGC	20	751; 959; 962; 1246; 1249; 1390; 1688; 1889; 2408; 3073; 3174; 3216; 3257; 3350; 3737; 4190; 4416; 4622; 4625; 4690
ApoI	R!AATTY	5	629; 845; 1927; 2031; 2042
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	3628
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	3	3422; 4075; 4913
AquII	GCCGNACNNNNNNNNNNNNNNNNNN!	1	3512
AquII	!NNNNNNNNNNNNNNNNNGTNCGGC	1	1222
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	1	2941
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	1	3683
ArsI	GACNNNNNTTYGNNNNNNNNNN!	0	
ArsI	!NNNNNCRANNNNNNNGTC	0	
ArsI	CRAANNNNNGTCNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	24	586; 610; 938; 1035; 1412; 1562; 1588; 1771; 2951; 2955; 2974; 3285; 3363; 3444; 3453; 3531; 3907; 3923; 4282; 4294; 4372; 4380; 4391; 4466
AsiGI	A!CCGGT	1	1040
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3231
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	1	645
AspA2I	C!CTAGG	2	2935; 3950
AspEI	GACNN!NNGTC	0	
AspLEI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2379; 2387; 2413; 2435; 2444; 2457; 2488; 3107; 3115; 3179; 3216; 3482; 3742; 3918; 4004; 4407; 4516; 4690; 4790; 4857
AspS9I	G!GNCC	14	83; 276; 800; 1197; 1440; 1532; 1553; 1637; 2220; 3629; 4074; 4120; 4178; 4211
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	627; 3795
AsuC2I	CC!SGG	5	1621; 3117; 3277; 3890; 4654
AsuHPI	GGTGANNNNNNNN!	6	376; 722; 894; 1433; 4184; 4300
AsuHPI	!NNNNNNNTCACC	5	917; 1004; 1322; 2230; 3291
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	1	613
AvaII	G!GWCC	4	800; 1637; 3629; 4074
AviII	TGC!GCA	1	3215

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AvrII	C!CTAGG	2	2935; 3950
AxyI	CC!TNAGG	3	1306; 2593; 4225
BaeI	ACNNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	7	1104; 1131; 1164; 1741; 3059; 3152; 4721
BalI	TGG!CCA	3	978; 1707; 3195
BamHI	G!GATCC	1	1034
BanI	G!GYRCC	7	465; 645; 1101; 1161; 2266; 3112; 3147
BanII	GRGCY!C	5	620; 699; 2304; 3478; 4188
BanIII	AT!CGAT	1	2953
BarI	GAAGNNNNNTACNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	0	
BasI	CCANNNN!NTGG	0	
BauI	C!ACGAG	3	1692; 3831; 4858
BauI	C!TCGTG	2	1542; 3705
BbeI	GGCGC!C	1	3116
Bbr7I	GAAGACNNNNNN!	1	1353
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	1	1348
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	2683; 2755; 3518
BbvI	GCAGCNNNNNNNN!	9	763; 1258; 1700; 1901; 3186; 3228; 3749; 4202; 4702
BbvI	!NNNNNNNNNNNGCTGC	8	946; 1377; 2395; 3060; 3244; 3337; 4403; 4609
Bbv12I	GWGCW!C	6	620; 1131; 1482; 3226; 3416; 4721
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	8	780; 930; 1017; 1439; 2243; 2807; 3333; 3835
BccI	!NNNNNGATGG	3	2211; 2991; 3419
BceAI	ACGGCNNNNNNNNNN!	7	961; 1259; 1403; 1454; 1520; 3539; 4026
BceAI	!NNNNNNNNNNNGCCGT	5	933; 972; 2254; 3072; 4531
BceFI	ACGGCNNNNNNNNNN!	7	961; 1259; 1403; 1454; 1520; 3539; 4026
BceFI	!NNNNNNNNNNNGCCGT	5	934; 973; 2255; 3073; 4532
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNGCANNNNNTCG	0	
BcgI	GCANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2542; 3332; 4833
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	5	1621; 3117; 3277; 3890; 4654
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNNN!	1	4966
BdaI	!NNNNNNNNNNNTGANNNNNNTCA	1	4932
BfaI	C!TAG	9	592; 1726; 1768; 1962; 2380; 2936; 3951; 4285; 4538
BfiI	ACTGGGNNNNN!	3	1691; 1743; 3062
BfiI	!NNNNCCCAGT	2	289; 2814
BfmI	C!TRYAG	4	634; 2448; 4575; 4766
BfoI	RGCGC!Y	7	598; 917; 1030; 2380; 2388; 3116; 4791
BfrI	C!TTAAG	1	1995
BfuI	GTATCCNNNNNN!	3	2542; 3332; 4833
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	2	3381; 3831
BfuAI	!NNNNNNNGCAGGT	3	788; 870; 3000
BfuCI	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
BglI	GCCNNNN!NGGC	5	90; 212; 283; 1516; 2888
BglII	A!GATCT	1	609

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BisI	GC!NGC	41	734; 752; 755; 960; 963; 1196; 1247; 1250; 1391; 1508; 1689; 1757; 1760; 1890; 2409; 2431; 2445; 2883; 3022; 3074; 3085; 3175; 3180; 3217; 3258; 3345; 3348; 3351; 3587; 3683; 3724; 3738; 3852; 4191; 4206; 4417; 4623; 4626; 4691; 4834; 4989
BlnI	C!CTAGG	2	2935; 3950
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	41	735; 753; 756; 961; 964; 1197; 1248; 1251; 1392; 1509; 1690; 1758; 1761; 1891; 2410; 2432; 2446; 2884; 3023; 3075; 3086; 3176; 3181; 3218; 3259; 3346; 3349; 3352; 3588; 3684; 3725; 3739; 3853; 4192; 4207; 4418; 4624; 4627; 4692; 4835; 4990
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	4	800; 1637; 3629; 4074
Bme1390I	CC!NGG	24	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 1621; 2649; 2704; 2721; 3117; 3277; 3500; 3890; 4079; 4182; 4654; 4872; 4885; 5006
BmeRI	GACNN!NNGTC	0	
BmeT110I	C!YCGRG	1	613
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	14	84; 277; 801; 1198; 1441; 1533; 1554; 1638; 2221; 3630; 4075; 4121; 4179; 4212
BmiI	GGN!NCC	21	467; 647; 698; 1036; 1103; 1163; 1474; 1554; 2268; 2289; 2301; 2492; 2653; 2725; 3114; 3149; 3997; 4076; 4121; 4964; 5003
BmrI	ACTGGGNNNNN!	3	1691; 1743; 3062
BmrI	!NNNNCCCAGT	2	289; 2814
BmrFI	CC!NGG	24	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 1621; 2649; 2704; 2721; 3117; 3277; 3500; 3890; 4079; 4182; 4654; 4872; 4885; 5006
BmsI	GCATCNNNNN!	9	847; 883; 1285; 1929; 2692; 2764; 3412; 3476; 3751
BmsI	!NNNNNNNNNGATGC	6	357; 1606; 3071; 3326; 3542; 4934
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	3	1691; 1743; 3062
BmuI	!NNNNCCCAGT	2	289; 2814
BoxI	GACNN!NNGTC	0	
BpiI	GAAGACNN!	1	1348
BpiI	!NNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	2902; 3801
BpI	!NNNNNNNGAGNNNNNCTC	2	2870; 3769
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	3953
BpmI	!NNNNNNNNNNNNNNNCTCCAG	3	914; 1365; 3896
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	1030
Bpu14I	TT!CGAA	2	627; 3795
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	1	1348
BpuAI	!NNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4407; 4946
BpuEI	!NNNNNNNNNNNNNCTCAAG	4	604; 1596; 3489; 4648
BpuMI	CC!SGG	5	1621; 3117; 3277; 3890; 4654
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	2	1668; 4102
Bsa29I	AT!CGAT	1	2953
BsaAI	YAC!GTR	3	340; 2229; 3417
BsaBI	GATNN!NNATC	2	1775; 2972
BsaHI	GR!CGYC	8	122; 175; 258; 444; 1624; 3113; 3815; 3894
BsaJI	C!CNNGG	21	360; 826; 832; 931; 966; 994; 1135; 1271; 1366; 2647; 2719; 2842; 2877; 2886; 2935; 3276; 3545; 3950; 4078; 4181; 4871
BsaMI	GAATGCN!	1	1864
BsaMI	G!CATTC	1	1957
BsaWI	W!CCGGW	6	600; 1040; 3144; 3988; 4678; 4825
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	2193
BsaXI	!NNNNNNNGGAGNNNNNGT	0	
BsaXI	GGAGNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	2163

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BsbI	CAACACNNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	2114; 4021
Bsc4I	CCNNNNN!NNGG	24	49; 692; 813; 1158; 1271; 1288; 1437; 1503; 1646; 2125; 2451; 2843; 3094; 3638; 3919; 3951; 4083; 4118; 4168; 4200; 4553; 4832; 4998; 5016
BscAI	GCATCNNNN!	9	846; 882; 1284; 1928; 2691; 2763; 3411; 3475; 3750
BscAI	!NNNNNNGATGC	6	360; 1609; 3074; 3329; 3545; 4937
BseI	ACTGGN!	6	1651; 1686; 1738; 3057; 3258; 4504
BseI	C!CAGT	5	295; 2142; 2820; 4616; 4629
Bse8I	GATNN!NNATC	2	1775; 2972
Bse21I	CC!TNAGG	3	1306; 2593; 4225
Bse118I	R!CCGGY	6	813; 1040; 2330; 3432; 3613; 3896
BseAI	T!CCGGA	0	
BseBI	CC!WGG	19	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 2649; 2704; 2721; 3500; 4079; 4182; 4872; 4885; 5006
BseCI	AT!CGAT	1	2953
BseDI	C!CNNGG	21	360; 826; 832; 931; 966; 994; 1135; 1271; 1366; 2647; 2719; 2842; 2877; 2886; 2935; 3276; 3545; 3950; 4078; 4181; 4871
Bse3DI	GCAATGNN!	1	3346
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	2973; 3430; 3455; 3909
BseGI	!CATCC	5	1131; 1219; 1276; 1431; 2799
BseJI	GATNN!NNATC	2	1775; 2972
BseLI	CCNNNNN!NNGG	24	49; 692; 813; 1158; 1271; 1288; 1437; 1503; 1646; 2125; 2451; 2843; 3094; 3638; 3919; 3951; 4083; 4118; 4168; 4200; 4553; 4832; 4998; 5016
BseMI	GCAATGNN!	1	3346
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	2	620; 4239
BseMII	!NNNNNNNNCTGAG	6	1297; 2584; 2886; 3767; 4339; 4748
BseNI	ACTGGN!	6	1651; 1686; 1738; 3057; 3258; 4504
BseNI	C!CAGT	5	295; 2142; 2820; 4616; 4629
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	1	2931
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGC!C	7	1104; 1131; 1164; 1741; 3059; 3152; 4721
BseXI	GCAGCNNNNNNNN!	9	763; 1258; 1700; 1901; 3186; 3228; 3749; 4202; 4702
BseXI	!NNNNNNNNNNNGCTGC	8	946; 1377; 2395; 3060; 3244; 3337; 4403; 4609
BseX3I	C!GGCCG	3	946; 1757; 3019
BseYI	C!CCAGC	3	2656; 2728; 4727
BseYI	G!CTGGG	2	1468; 3617
BsgI	GTGCAGNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	15	60; 1762; 2037; 2413; 2433; 2457; 2488; 3179; 3480; 3918; 4002; 4065; 4134; 4407; 4988
Bsh1285I	CGRY!CG	5	949; 1045; 1760; 3022; 4697
BshFI	GG!CC	31	84; 277; 831; 948; 978; 1008; 1198; 1441; 1510; 1533; 1555; 1665; 1707; 1759; 2079; 2221; 2876; 2882; 2891; 2934; 3021; 3195; 3586; 3613; 4122; 4179; 4212; 4557; 4991; 5009; 5020
BshNI	G!GYRCC	7	465; 645; 1101; 1161; 2266; 3112; 3147
BshTI	A!CCGGT	1	1040
BshVI	AT!CGAT	1	2953
BsiEI	CGRY!CG	5	949; 1045; 1760; 3022; 4697
BsiHKAI	GWGCW!C	6	620; 1131; 1482; 3226; 3416; 4721
BsiHKCI	C!YCGRG	1	613
BsiSI	C!CGG	20	601; 814; 1041; 1621; 2331; 3018; 3095; 3117; 3145; 3276; 3366; 3433; 3614; 3889; 3897; 3989; 4463; 4653; 4679; 4826
BsiWI	C!GTACG	0	
BsI	CCNNNNN!NNGG	24	49; 692; 813; 1158; 1271; 1288; 1437; 1503; 1646; 2125; 2451; 2843; 3094; 3638; 3919; 3951; 4083; 4118; 4168; 4200; 4553; 4832; 4998; 5016
BsIFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3264; 3796; 3905
BsIFI	!NNNNNNNNNNNNNGTCCC	4	2629; 2701; 2765; 4060
BsmI	GAATGCN!	1	1864
BsmI	G!CATTC	1	1957
BsmAI	GTCTCN!	1	434

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BsmAI	!NNNNNGAGAC	5	1668; 2537; 2955; 3974; 4102
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3264; 3796; 3905
BsmFI	!NNNNNNNNNNNGTCCC	4	2629; 2701; 2765; 4060
BsnI	GG!CC	31	84; 277; 831; 948; 978; 1008; 1198; 1441; 1510; 1533; 1555; 1665; 1707; 1759; 2079; 2221; 2876; 2882; 2891; 2934; 3021; 3195; 3586; 3613; 4122; 4179; 4212; 4557; 4991; 5009; 5020
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	2	1668; 4102
BsoBI	C!YCGRG	1	613
Bsp13I	T!CCGGA	0	
Bsp19I	C!CATGG	4	360; 832; 2842; 3545
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 3916
Bsp24I	!NNNNNNCCANNNNNGTC	2	4337; 4515
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4369; 4547
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 3884
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	627; 3795
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
Bsp1286I	GDGCH!C	15	620; 699; 1104; 1131; 1164; 1482; 1741; 2304; 3059; 3152; 3226; 3416; 3478; 4188; 4721
Bsp1407I	T!GTACA	2	781; 1090
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	40	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1360; 1498; 1600; 1640; 1760; 2428; 2431; 2445; 2535; 2783; 2795; 2804; 2816; 2826; 2837; 2883; 3022; 3085; 3587; 3632; 3698; 3724; 3849; 3852; 4000; 4132; 4439; 4583; 5079
BspACI	G!CGG	29	370; 403; 528; 708; 733; 1195; 1507; 1549; 1756; 2373; 2400; 2488; 2598; 3179; 3243; 3344; 3347; 3627; 3682; 3780; 3918; 4065; 4205; 4448; 4693; 4814; 4833; 4960; 4988
BspCNI	CTCAGNNNNNNNN!	2	619; 4238
BspCNI	!NNNNNNNCTGAG	6	1298; 2585; 2887; 3768; 4340; 4749
BspDI	AT!CGAT	1	2953
BspD6I	GACTCNNNN!	6	418; 612; 1772; 2186; 3792; 4669
BspD6I	!NNNNNGAGTC	3	1320; 2149; 2581
BspEI	T!CCGGA	0	
BspFNI	CG!CG	15	60; 1762; 2037; 2413; 2433; 2457; 2488; 3179; 3480; 3918; 4002; 4065; 4134; 4407; 4988
BspHI	T!CATGA	3	841; 2539; 4311
BspLI	GGN!NCC	21	467; 647; 698; 1036; 1103; 1163; 1474; 1554; 2268; 2289; 2301; 2492; 2653; 2725; 3114; 3149; 3997; 4076; 4121; 4964; 5003
BspMI	ACCTGCNNNN!	2	3381; 3831
BspMI	!NNNNNNNGCAGGT	3	788; 870; 3000
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	8	1042; 2981; 3292; 3538; 3930; 4289; 4387; 4473
BspPI	!NNNNNGATCC	8	580; 932; 1029; 1582; 3357; 3901; 4288; 4385
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	2	3457; 3667
BspTI	C!TTAAG	1	1995
BspT104I	TT!CGAA	2	627; 3795
BspT107I	G!GYRCC	7	465; 645; 1101; 1161; 2266; 3112; 3147
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	2	1668; 4102
BsrI	ACTGGN!	6	1651; 1686; 1738; 3057; 3258; 4504
BsrI	C!CAGT	5	295; 2142; 2820; 4616; 4629
BsrBI	CCG!CTC	2	2537; 3726
BsrBI	GAG!CGG	2	2373; 3780
BsrDI	GCAATGNN!	1	3346
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	6	813; 1040; 2330; 3432; 3613; 3896
BsrGI	T!GTACA	2	781; 1090

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrSI	ACTGGN!	6	1651; 1686; 1738; 3057; 3258; 4504
BsrSI	C!CAGT	5	295; 2142; 2820; 4616; 4629
BssAI	R!CCGGY	6	813; 1040; 2330; 3432; 3613; 3896
BssECI	C!CNNGG	21	360; 826; 832; 931; 966; 994; 1135; 1271; 1366; 2647; 2719; 2842; 2877; 2886; 2935; 3276; 3545; 3950; 4078; 4181; 4871
BssHII	G!CGCGC	0	
BssKI	!CCNGG	24	88; 281; 895; 930; 965; 1222; 1270; 1366; 1381; 1510; 1619; 2647; 2702; 2719; 3115; 3275; 3498; 3888; 4077; 4180; 4652; 4870; 4883; 5004
BssMI	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
BssNI	GR!CGYC	8	122; 175; 258; 444; 1624; 3113; 3815; 3894
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	1692; 3831; 4858
BssSI	C!TCGTG	2	1542; 3705
BssTII	C!CWWGG	7	360; 826; 832; 2842; 2935; 3545; 3950
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	3	2580; 3457; 3667
Bst98I	C!TTAAG	1	1995
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 1624; 3113; 3815; 3894
BstAFI	C!TTAAG	1	1995
BstAPI	GCANNNN!NTGC	3	2680; 2752; 4214
BstAUI	T!GTACA	2	781; 1090
BstBI	TT!CGAA	2	627; 3795
Bst2BI	C!ACGAG	3	1692; 3831; 4858
Bst2BI	C!TCGTG	2	1542; 3705
BstBAI	YAC!GTR	3	340; 2229; 3417
Bst4CI	ACN!GT	15	76; 198; 269; 543; 581; 645; 1106; 2204; 3493; 3609; 3717; 4040; 4531; 5001; 5072
BstC8I	GCN!NGC	35	86; 279; 593; 667; 747; 957; 985; 1059; 1149; 1353; 2332; 2375; 2389; 2662; 2681; 2734; 2753; 3007; 3193; 3412; 3478; 3484; 3512; 3516; 3557; 3561; 3615; 3898; 4085; 4132; 4188; 4210; 4421; 4981; 5018
BstDEI	C!TNAG	12	606; 715; 1003; 1030; 1306; 1603; 2593; 2895; 3776; 4225; 4348; 4757
BstDSI	C!CRYGG	4	360; 832; 2842; 3545
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	2973; 3430; 3455; 3909
BstF5I	!CATCC	5	1131; 1219; 1276; 1431; 2799
BstFNI	CG!CG	15	60; 1762; 2037; 2413; 2433; 2457; 2488; 3179; 3480; 3918; 4002; 4065; 4134; 4407; 4988
BstH2I	RGCGC!Y	7	598; 917; 1030; 2380; 2388; 3116; 4791
BstHHI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2379; 2387; 2413; 2435; 2444; 2457; 2488; 3107; 3115; 3179; 3216; 3482; 3742; 3918; 4004; 4407; 4516; 4690; 4790; 4857
BstKTI	GAT!C	24	588; 612; 940; 1037; 1414; 1564; 1590; 1773; 2953; 2957; 2976; 3287; 3365; 3446; 3455; 3533; 3909; 3925; 4284; 4296; 4374; 4382; 4393; 4468
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	5	1668; 2537; 2955; 3974; 4102
BstMBI	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
BstMCI	CGRY!CG	5	949; 1045; 1760; 3022; 4697
BstMWI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1085; 1516; 2340; 2370; 2397; 2439; 2680; 2752; 2803; 2882; 3104; 3188; 3211; 3350; 3473; 3556; 3823; 4010; 4214; 4413; 4985
BstNI	CC!WGG	19	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 2649; 2704; 2721; 3500; 4079; 4182; 4872; 4885; 5006
BstNSI	RCATG!Y	5	1079; 2683; 2755; 3518; 5035
BstOI	CC!WGG	19	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 2649; 2704; 2721; 3500; 4079; 4182; 4872; 4885; 5006
BstPI	G!GTNACC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstPAI	GACNN!NNGTC	0	
BstSCI	!CCNGG	24	88; 281; 895; 930; 965; 1222; 1270; 1366; 1381; 1510; 1619; 2647; 2702; 2719; 3115; 3275; 3498; 3888; 4077; 4180; 4652; 4870; 4883; 5004
BstSFI	C!TRYAG	4	634; 2448; 4575; 4766
BstSLI	GKGCMI:C	7	1104; 1131; 1164; 1741; 3059; 3152; 4721
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	15	60; 1762; 2037; 2413; 2433; 2457; 2488; 3179; 3480; 3918; 4002; 4065; 4134; 4407; 4988
Bst2UI	CC!WGG	19	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 2649; 2704; 2721; 3500; 4079; 4182; 4872; 4885; 5006
BstV1I	GCAGCNNNNNNNN!	9	763; 1258; 1700; 1901; 3186; 3228; 3749; 4202; 4702
BstV1I	!NNNNNNNNNNNGCTGC	8	946; 1377; 2395; 3060; 3244; 3337; 4403; 4609
BstV2I	GAAGACNN!	1	1348
BstV2I	!NNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	1	833
BstX2I	R!GATCY	12	585; 609; 937; 1034; 1587; 3284; 3530; 3922; 4281; 4293; 4379; 4390
BstYI	R!GATCY	12	585; 609; 937; 1034; 1587; 3284; 3530; 3922; 4281; 4293; 4379; 4390
BstZI	C!GGCCG	3	946; 1757; 3019
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2542; 3332; 4833
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	2953
Bsu36I	CC!TNAGG	3	1306; 2593; 4225
BsuRI	GG!CC	31	84; 277; 831; 948; 978; 1008; 1198; 1441; 1510; 1533; 1555; 1665; 1707; 1759; 2079; 2221; 2876; 2882; 2891; 2934; 3021; 3195; 3586; 3613; 4122; 4179; 4212; 4557; 4991; 5009; 5020
BsuTUI	AT!CGAT	1	2953
BtgI	C!CRYGG	4	360; 832; 2842; 3545
BtgZI	GCGATGNNNNNNNNNN!	2	2230; 3565
BtgZI	!NNNNNNNNNNNNNNCATCGC	4	334; 860; 3384; 3728
BthCI	GCNG!C	41	736; 754; 757; 962; 965; 1198; 1249; 1252; 1393; 1510; 1691; 1759; 1762; 1892; 2411; 2433; 2447; 2885; 3024; 3076; 3087; 3177; 3182; 3219; 3260; 3347; 3350; 3353; 3589; 3685; 3726; 3740; 3854; 4193; 4208; 4419; 4625; 4628; 4693; 4836; 4991
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	1952
BtsCI	GGATGNN!	4	2973; 3430; 3455; 3909
BtsCI	!CATCC	5	1131; 1219; 1276; 1431; 2799
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	3381; 3831
BveI	!NNNNNNNNGCAGGT	3	788; 870; 3000
Cac8I	GCN!NGC	35	86; 279; 593; 667; 747; 957; 985; 1059; 1149; 1353; 2332; 2375; 2389; 2662; 2681; 2734; 2753; 3007; 3193; 3412; 3478; 3484; 3512; 3516; 3557; 3561; 3615; 3898; 4085; 4132; 4188; 4210; 4421; 4981; 5018
CaiI	CAGNNN!CTG	2	4214; 4622
CciI	T!CATGA	3	841; 2539; 4311
CciNI	GC!GGCCGC	1	1757
CdiI	CATC!G	6	352; 878; 3402; 3407; 3605; 3746
CdiI	C!GATG	2	2216; 3551
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	4985
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 2774; 2816
CelII	GC!TNAGC	0	
CfoI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2379; 2387; 2413; 2435; 2444; 2457; 2488; 3107; 3115; 3179; 3216; 3482; 3742; 3918; 4004; 4407; 4516; 4690; 4790; 4857
CfrI	Y!GGCCR	8	946; 976; 1705; 1757; 3019; 3193; 3584; 3611
Cfr9I	C!CCGGG	0	
Cfr10I	R!CCGGY	6	813; 1040; 2330; 3432; 3613; 3896
Cfr13I	G!GNCC	14	83; 276; 800; 1197; 1440; 1532; 1553; 1637; 2220; 3629; 4074; 4120; 4178; 4211
Cfr42I	CCGC!GG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
ChaI	GATC!	24	589; 613; 941; 1038; 1415; 1565; 1591; 1774; 2954; 2958; 2977; 3288; 3366; 3447; 3456; 3534; 3910; 3926; 4285; 4297; 4375; 4383; 4394; 4469
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	5	1143; 2930; 4370; 4470; 4548
CjeI	!NNNNNNNNNACNNNNNNNTGG	7	64; 257; 2597; 2692; 3884; 4434; 4989
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 2631; 2726; 3918; 4468; 5023
CjeI	!NNNNNNNNCCANNNNNNGT	5	1109; 2896; 4336; 4436; 4514
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	2	4370; 4548
CjePI	!NNNNNNNNNGANNNNNNNTGG	5	257; 1168; 1665; 3884; 4483
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	5	290; 1201; 1698; 3917; 4516
CjePI	!NNNNNNNNCCANNNNNNNNTC	2	4337; 4515
Clal	AT!CGAT	1	2953
CpoI	CG!GWCCG	1	3629
CseI	GACGCNNNNN!	3	526; 3823; 3902
CseI	!NNNNNNNNNNNGCGTC	4	1613; 2446; 4341; 4919
CsiI	A!CCWGGT	1	2702
CspI	CG!GWCCG	1	3629
Csp6I	G!TAC	13	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1091; 1241; 3418
Csp45I	TT!CGAA	2	627; 3795
CspAI	A!CCGGT	1	1040
CspCI	CAANNNNNGTGGNNNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNNN!	5	784; 1093; 1684; 2393; 4002
CstMI	!NNNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	26	301; 361; 656; 833; 842; 1052; 1076; 1082; 1094; 1172; 1238; 1318; 1529; 2540; 2680; 2752; 2843; 2984; 3329; 3515; 3546; 3572; 3928; 4312; 5032; 5083
CviJI	RG!CY	102	42; 84; 93; 277; 566; 618; 624; 665; 697; 754; 766; 831; 888; 948; 978; 1008; 1061; 1088; 1151; 1198; 1227; 1234; 1312; 1378; 1390; 1441; 1468; 1510; 1533; 1541; 1555; 1665; 1701; 1707; 1745; 1759; 1782; 1892; 2059; 2079; 2221; 2302; 2316; 2330; 2611; 2652; 2724; 2847; 2876; 2882; 2891; 2899; 2922; 2934; 2940; 3021; 3038; 3046; 3073; 3098; 3182; 3191; 3195; 3219; 3257; 3333; 3350; 3369; 3432; 3476; 3486; 3503; 3586; 3613; 3617; 3654; 3677; 3693; 3873; 3900; 3961; 4083; 4122; 4179; 4186; 4193; 4212; 4223; 4474; 4503; 4546; 4557; 4622; 4701; 4726; 4731; 4777; 4867; 4965; 4991; 5009; 5020
CviKI-1	RG!CY	102	42; 84; 93; 277; 566; 618; 624; 665; 697; 754; 766; 831; 888; 948; 978; 1008; 1061; 1088; 1151; 1198; 1227; 1234; 1312; 1378; 1390; 1441; 1468; 1510; 1533; 1541; 1555; 1665; 1701; 1707; 1745; 1759; 1782; 1892; 2059; 2079; 2221; 2302; 2316; 2330; 2611; 2652; 2724; 2847; 2876; 2882; 2891; 2899; 2922; 2934; 2940; 3021; 3038; 3046; 3073; 3098; 3182; 3191; 3195; 3219; 3257; 3333; 3350; 3369; 3432; 3476; 3486; 3503; 3586; 3613; 3617; 3654; 3677; 3693; 3873; 3900; 3961; 4083; 4122; 4179; 4186; 4193; 4212; 4223; 4474; 4503; 4546; 4557; 4622; 4701; 4726; 4731; 4777; 4867; 4965; 4991; 5009; 5020
CviQI	G!TAC	13	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1091; 1241; 3418
DdeI	C!TNAG	12	606; 715; 1003; 1030; 1306; 1603; 2593; 2895; 3776; 4225; 4348; 4757
DinI	GGC!GCC	1	3114
DpnI	GA!TC	24	587; 611; 939; 1036; 1413; 1563; 1589; 1772; 2952; 2956; 2975; 3286; 3364; 3445; 3454; 3532; 3908; 3924; 4283; 4295; 4373; 4381; 4392; 4467
DpnII	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
DraI	TTT!AAA	3	1815; 4257; 4276
DraII	RG!GNCCY	1	4211
DraIII	CACNNN!GTG	3	989; 1697; 2229
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	4	266; 1006; 1042; 4593
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCTTG	0	
DrdI	GACNNNN!NNGTC	3	2184; 3140; 4929
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	2184; 3140; 4929
EaeI	Y!GGCCR	8	946; 976; 1705; 1757; 3019; 3193; 3584; 3611
EagI	C!GGCCG	3	946; 1757; 3019
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	3	2580; 3457; 3667
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	3	2580; 3457; 3667
EciI	GGCGGANNNNNNNNNN!	4	2613; 3642; 4829; 4975
EciI	!NNNNNNNNNTCCGCC	4	496; 2784; 2805; 2826
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	3	946; 1757; 3019
Eco24I	GRGCY!C	5	620; 699; 2304; 3478; 4188
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	2	1668; 4102
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	4	800; 1637; 3629; 4074
Eco47III	AGC!GCT	3	596; 915; 1028
Eco52I	C!GGCCG	3	946; 1757; 3019
Eco57I	CTGAAGNNNNNNNNNNNNNN!	4	813; 1557; 3259; 3691
Eco57I	!NNNNNNNNNNNNNNNCTTCAG	1	4489
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	3	1306; 2593; 4225
Eco88I	C!YCGRG	1	613
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	7	360; 826; 832; 2842; 2935; 3545; 3950
Eco147I	AGG!CCT	1	2934
EcoHI	!CCSGG	5	1619; 3115; 3275; 3888; 4652
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNN!	5	813; 1557; 3259; 3691; 3953
Eco57MI	!NNNNNNNNNNNNNNNCTYCAG	4	914; 1365; 3896; 4489
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	1	4211
EcoRI	G!AATTC	2	629; 845
EcoRII	!CCWGG	19	88; 281; 895; 930; 965; 1222; 1270; 1366; 1381; 1510; 2647; 2702; 2719; 3498; 4077; 4180; 4870; 4883; 5004
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	7	360; 826; 832; 2842; 2935; 3545; 3950
EcoT22I	ATGCA!T	3	2685; 2757; 5088
EcoT38I	GRGCY!C	5	620; 699; 2304; 3478; 4188
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	1	3114
EheI	GGC!GCC	1	3114
ErhI	C!CWWGG	7	360; 826; 832; 2842; 2935; 3545; 3950
EsaBC3I	TC!GA	19	615; 628; 641; 869; 919; 1190; 1217; 1526; 2263; 2954; 3227; 3383; 3407; 3443; 3605; 3796; 3841; 4096; 4934
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	26	304; 364; 659; 836; 845; 1055; 1079; 1085; 1097; 1175; 1241; 1321; 1532; 2543; 2683; 2755; 2846; 2987; 3332; 3518; 3549; 3575; 3931; 4315; 5035; 5086
FaiI	YA!TR	66	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 657; 778; 834; 843; 1053; 1077; 1083; 1095; 1173; 1239; 1319; 1337; 1530; 1583; 1633; 1775; 1785; 1851; 1896; 2101; 2529; 2541; 2672; 2681; 2744; 2753; 2777; 2844; 2868; 2985; 3049; 3330; 3355; 3516; 3547; 3573; 3645; 3861; 3929; 4007; 4059; 4220; 4237; 4239; 4241; 4313; 4591; 4780; 4896; 4969; 5033; 5084
FalI	AAGNNNNNCTTNNNNNNNNNN!	2	1316; 3453
FalI	!NNNNNNNNAAGNNNNNCTT	2	1284; 3421
FaqI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3264; 3796; 3905
FaqI	!NNNNNNNNNNNNNGTCCC	4	2629; 2701; 2765; 4060

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FatI	!CATG	26	300; 360; 655; 832; 841; 1051; 1075; 1081; 1093; 1171; 1237; 1317; 1528; 2539; 2679; 2751; 2842; 2983; 3328; 3514; 3545; 3571; 3927; 4311; 5031; 5082
FauI	CCCGCNNNN!	12	93; 119; 286; 689; 900; 1505; 1607; 2435; 2790; 2811; 4007; 4139
FauI	!NNNNNNGCGGG	6	1542; 2366; 3236; 3773; 3911; 4058
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	0	
FblI	GT!MKAC	3	640; 1525; 1627
FmuI	GGNC!C	14	86; 279; 803; 1200; 1443; 1535; 1556; 1640; 2223; 3632; 4077; 4123; 4181; 4214
Fnu4HI	GC!NGC	41	734; 752; 755; 960; 963; 1196; 1247; 1250; 1391; 1508; 1689; 1757; 1760; 1890; 2409; 2431; 2445; 2883; 3022; 3074; 3085; 3175; 3180; 3217; 3258; 3345; 3348; 3351; 3587; 3683; 3724; 3738; 3852; 4191; 4206; 4417; 4623; 4626; 4691; 4834; 4989
FokI	GGATGNNNNNNNN!	4	2980; 3437; 3462; 3916
FokI	!NNNNNNNNNNNNNNCATCC	5	1118; 1206; 1263; 1418; 2786
FriOI	GRGCY!C	5	620; 699; 2304; 3478; 4188
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3215
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	9	592; 1726; 1768; 1962; 2380; 2936; 3951; 4285; 4538
FspEI	CCNNNNNNNNNNNN!	172	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; 1118; 1148; 1165; 1179; 1212; 1226; 1244; 1268; 1283; 1313; 1346; 1373; 1388; 1407; 1443; 1489; 1510; 1524; 1547; 1569; 1592; 1612; 1633; 1653; 1679; 1721; 1737; 1773; 1796; 1835; 1849; 1990; 2085; 2109; 2132; 2155; 2173; 2195; 2216; 2235; 2254; 2283; 2304; 2318; 2344; 2432; 2458; 2507; 2548; 2566; 2605; 2621; 2659; 2716; 2731; 2788; 2808; 2822; 2839; 2853; 2890; 2905; 2948; 3031; 3098; 3129; 3149; 3164; 3209; 3223; 3289; 3303; 3322; 3338; 3379; 3399; 3446; 3496; 3512; 3532; 3557; 3577; 3600; 3627; 3645; 3671; 3711; 3737; 3761; 3817; 3831; 3859; 3902; 3923; 3958; 4002; 4090; 4114; 4136; 4156; 4172; 4193; 4207; 4226; 4310; 4330; 4358; 4373; 4407; 4449; 4476; 4491; 4536; 4560; 4574; 4596; 4622; 4642; 4666; 4692; 4740; 4759; 4778; 4804; 4839; 4884; 4914; 4928; 4979; 4993; 5018; 5034; 5055; 5084
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; 1053; 1080; 1122; 1143; 1167; 1209; 1228; 1257; 1293; 1330; 1353; 1372; 1402; 1423; 1450; 1489; 1515; 1534; 1606; 1632; 1667; 1689; 1719; 1741; 1784; 1884; 1953; 1983; 2061; 2110; 2132; 2160; 2196; 2241; 2270; 2306; 2325; 2353; 2373; 2436; 2459; 2567; 2599; 2617; 2646; 2689; 2718; 2829; 2858; 2901; 2922; 2950; 2983; 3003; 3028; 3055; 3080; 3102; 3130; 3156; 3177; 3228; 3249; 3267; 3315; 3351; 3407; 3432; 3456; 3485; 3508; 3532; 3558; 3580; 3599; 3624; 3664; 3700; 3765; 3850; 3874; 3903; 3937; 3958; 3978; 4023; 4050; 4069; 4102; 4154; 4185; 4212; 4264; 4362; 4433; 4478; 4539; 4604; 4638; 4664; 4682; 4718; 4788; 4811; 4833; 4857; 4890; 4938; 4973; 4991; 5048
Fsp4HI	GC!NGC	41	734; 752; 755; 960; 963; 1196; 1247; 1250; 1391; 1508; 1689; 1757; 1760; 1890; 2409; 2431; 2445; 2883; 3022; 3074; 3085; 3175; 3180; 3217; 3258; 3345; 3348; 3351; 3587; 3683; 3724; 3738; 3852; 4191; 4206; 4417; 4623; 4626; 4691; 4834; 4989
GdiII	C!GGCCR	3	946; 1757; 3019
GdiII	Y!GGCCG	5	946; 1757; 3019; 3584; 3611
GlaI	GC!GC	29	596; 721; 744; 750; 873; 901; 915; 954; 1028; 2378; 2386; 2412; 2434; 2443; 2456; 2487; 3106; 3114; 3178; 3215; 3481; 3741; 3917; 4003; 4406; 4515; 4689; 4789; 4856
GluI	GC!NGC	41	734; 752; 755; 960; 963; 1196; 1247; 1250; 1391; 1508; 1689; 1757; 1760; 1890; 2409; 2431; 2445; 2883; 3022; 3074; 3085; 3175; 3180; 3217; 3258; 3345; 3348; 3351; 3587; 3683; 3724; 3738; 3852; 4191; 4206; 4417; 4623; 4626; 4691; 4834; 4989
GsaI	CCCAG!C	3	2660; 2732; 4731
GsaI	GCTGG!G	2	1472; 3621
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	3953
GsuI	!NNNNNNNNNNNNNNCTCCAG	3	914; 1365; 3896

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HaeI	WGG!CCW	9	831; 978; 1008; 1707; 2934; 3195; 4557; 5009; 5020
HaeII	RGCGC!Y	7	598; 917; 1030; 2380; 2388; 3116; 4791
HaeIII	GG!CC	31	84; 277; 831; 948; 978; 1008; 1198; 1441; 1510; 1533; 1555; 1665; 1707; 1759; 2079; 2221; 2876; 2882; 2891; 2934; 3021; 3195; 3586; 3613; 4122; 4179; 4212; 4557; 4991; 5009; 5020
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	3	1669; 1788; 3309
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	1635; 1754; 3275
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	3	1668; 1787; 3308
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	1637; 1756; 3277
HapII	C!CGG	20	601; 814; 1041; 1621; 2331; 3018; 3095; 3117; 3145; 3276; 3366; 3433; 3614; 3889; 3897; 3989; 4463; 4653; 4679; 4826
HgaI	GACGCNNNNN!	3	526; 3823; 3902
HgaI	!NNNNNNNNNNNGCGTC	4	1613; 2446; 4341; 4919
HhaI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2379; 2387; 2413; 2435; 2444; 2457; 2488; 3107; 3115; 3179; 3216; 3482; 3742; 3918; 4004; 4407; 4516; 4690; 4790; 4857
HinI	GR!CGYC	8	122; 175; 258; 444; 1624; 3113; 3815; 3894
HinIII	CATG!	26	304; 364; 659; 836; 845; 1055; 1079; 1085; 1097; 1175; 1241; 1321; 1532; 2543; 2683; 2755; 2846; 2987; 3332; 3518; 3549; 3575; 3931; 4315; 5035; 5086
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1668; 1787; 3308
Hin4I	!NNNNNNNNNGABNNNNNRTC	4	1636; 1755; 3276; 3306
Hin4I	GABNNNNNRTCNNNNNNNNNNNNN!	4	1668; 1787; 3308; 3338
Hin4I	!NNNNNNNNNGAYNNNNNVTC	3	1636; 1755; 3276
Hin6I	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2377; 2385; 2411; 2433; 2442; 2455; 2486; 3105; 3113; 3177; 3214; 3480; 3740; 3916; 4002; 4405; 4514; 4688; 4788; 4855
HinPII	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2377; 2385; 2411; 2433; 2442; 2455; 2486; 3105; 3113; 3177; 3214; 3480; 3740; 3916; 4002; 4405; 4514; 4688; 4788; 4855
HincII	GTY!RAC	3	641; 1526; 1876
HindII	GTY!RAC	3	641; 1526; 1876
HindIII	A!AGCTT	2	622; 1743
Hinfl	G!ANTC	15	410; 604; 1177; 1327; 1764; 2156; 2178; 2588; 3598; 3732; 3784; 3842; 3879; 4661; 5057
HpaI	GTT!AAC	1	1876
HpaII	C!CGG	20	601; 814; 1041; 1621; 2331; 3018; 3095; 3117; 3145; 3276; 3366; 3433; 3614; 3889; 3897; 3989; 4463; 4653; 4679; 4826
HphI	GGTGANNNNNNNN!	6	376; 722; 894; 1433; 4184; 4300
HphI	!NNNNNNNTCACC	5	917; 1004; 1322; 2230; 3291
Hpy8I	GTN!NAC	19	201; 539; 577; 641; 782; 803; 857; 1021; 1109; 1129; 1424; 1526; 1628; 1637; 1876; 2160; 2177; 2232; 4719
Hpy99I	CGWCG!	8	645; 3203; 3231; 3525; 3540; 3817; 4202; 4935
Hpy166II	GTN!NAC	19	201; 539; 577; 641; 782; 803; 857; 1021; 1109; 1129; 1424; 1526; 1628; 1637; 1876; 2160; 2177; 2232; 4719
Hpy188I	TCN!GA	17	585; 609; 793; 995; 1136; 1416; 1718; 2287; 2896; 3080; 3424; 3777; 3878; 4357; 4491; 4844; 4922
Hpy188III	TC!NNGA	27	613; 842; 941; 1289; 1409; 1574; 1613; 1768; 2540; 2592; 2905; 2958; 3131; 3447; 3456; 3539; 3595; 3639; 3729; 3762; 3831; 4312; 4386; 4469; 4567; 4665; 4799
HpyAV	CCTTCNNNNNN!	6	1217; 1265; 1310; 3758; 3865; 4544
HpyAV	!NNNNNGAAGG	10	698; 1137; 1509; 2346; 3241; 3970; 3986; 4169; 4486; 4796
HpyCH4III	ACN!GT	15	76; 198; 269; 543; 581; 645; 1106; 2204; 3493; 3609; 3717; 4040; 4531; 5001; 5072
HpyCH4IV	A!CGT	15	122; 134; 175; 258; 339; 444; 1405; 2173; 2185; 2228; 2338; 3229; 3416; 4197; 4330
HpyCH4V	TG!CA	20	636; 1079; 1129; 1567; 1862; 1889; 1957; 2674; 2683; 2746; 2755; 2870; 2946; 3005; 3164; 3339; 3353; 4423; 4719; 5086
HpyF3I	C!TNAG	12	606; 715; 1003; 1030; 1306; 1603; 2593; 2895; 3776; 4225; 4348; 4757
HpyF10VI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1085; 1516; 2340; 2370; 2397; 2439; 2680; 2752; 2803; 2882; 3104; 3188; 3211; 3350; 3473; 3556; 3823; 4010; 4214; 4413; 4985
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 1624; 3113; 3815; 3894
Hsp92II	CATG!	26	304; 364; 659; 836; 845; 1055; 1079; 1085; 1097; 1175; 1241; 1321; 1532; 2543; 2683; 2755; 2846; 2987; 3332; 3518; 3549; 3575; 3931; 4315; 5035; 5086

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HspAI	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2377; 2385; 2411; 2433; 2442; 2455; 2486; 3105; 3113; 3177; 3214; 3480; 3740; 3916; 4002; 4405; 4514; 4688; 4788; 4855
KasI	G!GCGCC	1	3112
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	1876
Kzo9I	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
LguI	GCTCTCN!	0	
LguI	!NNNNGAAGAGC	2	3457; 3667
LpnI	RGC!GCGY	7	596; 915; 1028; 2378; 2386; 3114; 4789
LpnPI	CCDGNNNNNNNNNN!	66	102; 295; 614; 673; 820; 909; 944; 969; 1037; 1054; 1179; 1236; 1284; 1318; 1380; 1395; 1456; 1524; 1548; 1572; 1634; 1721; 1850; 2155; 2344; 2567; 2605; 2621; 2661; 2716; 2733; 2833; 2918; 3031; 3108; 3130; 3153; 3289; 3303; 3322; 3379; 3446; 3496; 3512; 3569; 3627; 3836; 3902; 3926; 4002; 4091; 4194; 4227; 4458; 4476; 4622; 4642; 4666; 4692; 4741; 4839; 4884; 4914; 4993; 5018; 5055
LpnPI	!NNNNNNNNNNNNNCHGG	59	75; 268; 552; 586; 783; 865; 917; 952; 1026; 1209; 1257; 1353; 1454; 1497; 1606; 1632; 1667; 1719; 2196; 2316; 2373; 2436; 2634; 2646; 2706; 2718; 2950; 2995; 3038; 3080; 3102; 3130; 3177; 3239; 3261; 3351; 3418; 3441; 3485; 3580; 3599; 3624; 3773; 3874; 3917; 3974; 4064; 4167; 4194; 4212; 4448; 4485; 4638; 4664; 4804; 4822; 4857; 4938; 4991
Lsp1109I	GCAGCNNNNNNNN!	9	763; 1258; 1700; 1901; 3186; 3228; 3749; 4202; 4702
Lsp1109I	!NNNNNNNNNNNGCTGC	8	946; 1377; 2395; 3060; 3244; 3337; 4403; 4609
LweI	GCATCNNNNN!	9	847; 883; 1285; 1929; 2692; 2764; 3412; 3476; 3751
LweI	!NNNNNNNNNGATGC	6	357; 1606; 3071; 3326; 3542; 4934
MabI	A!CCWGGT	1	2702
MaeI	C!TAG	9	592; 1726; 1768; 1962; 2380; 2936; 3951; 4285; 4538
MaeII	A!CGT	15	122; 134; 175; 258; 339; 444; 1405; 2173; 2185; 2228; 2338; 3229; 3416; 4197; 4330
MaeIII	!GTNAC	14	61; 148; 497; 710; 1328; 1901; 2402; 2414; 3233; 3539; 4229; 4495; 4611; 4674
MalI	GA!TC	24	587; 611; 939; 1036; 1413; 1563; 1589; 1772; 2952; 2956; 2975; 3286; 3364; 3445; 3454; 3532; 3908; 3924; 4283; 4295; 4373; 4381; 4392; 4467
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2537; 3726
MbiI	GAG!CGG	2	2373; 3780
MboI	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
MboII	GAAGANNNNNNNN!	8	737; 1353; 1463; 2369; 2597; 3474; 3684; 4303
MboII	!NNNNNNNTCTTC	4	3764; 3931; 4131; 4374
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	1863
MflI	R!GATCY	12	585; 609; 937; 1034; 1587; 3284; 3530; 3922; 4281; 4293; 4379; 4390
MhII	GDGCH!C	15	620; 699; 1104; 1131; 1164; 1482; 1741; 2304; 3059; 3152; 3226; 3416; 3478; 4188; 4721
MisI	TGG!CCA	3	978; 1707; 3195
MluI	A!CGCGT	0	
MluNI	TGG!CCA	3	978; 1707; 3195
MlyI	GAGTCNNNNN!	3	1336; 2165; 2597
MlyI	!NNNNNGACTC	6	404; 598; 1758; 2172; 3778; 4655
Mly113I	GG!CGCC	1	3113
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN!	3	1459; 1741; 2206
MmeI	!NNNNNNNNNNNNNNNNNNNGTYGGA	2	4638; 4822
MnlI	CCTCNNNNNNN!	13	938; 1210; 1389; 1404; 1620; 1731; 1832; 2896; 3714; 3920; 4234; 4604; 4928

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MnII	!NNNNNNGAGG	23	541; 878; 989; 1091; 1130; 1151; 1184; 1301; 1410; 1655; 1688; 1792; 2257; 2588; 2866; 2909; 2924; 2964; 3028; 3164; 3521; 3951; 4854
Mph1103I	ATGCA!T	3	2685; 2757; 5088
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	0	
MroNI	G!CCGGC	3	2330; 3613; 3896
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	3	978; 1707; 3195
MseI	T!TAA	18	7; 1066; 1747; 1751; 1814; 1875; 1996; 2017; 2028; 2040; 2051; 2068; 2166; 2437; 4256; 4270; 4275; 4327
MslI	CAYNN!NNRTG	4	365; 777; 1080; 3550
MspI	C!CGG	20	601; 814; 1041; 1621; 2331; 3018; 3095; 3117; 3145; 3276; 3366; 3433; 3614; 3889; 3897; 3989; 4463; 4653; 4679; 4826
Msp20I	TGG!CCA	3	978; 1707; 3195
MspA1I	CMG!CKG	5	1500; 2611; 3219; 4448; 4693
MspCI	C!TTAAG	1	1995
MspJI	CNNRRNNNNNNNN!	260	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; 1088; 1106; 1136; 1154; 1169; 1184; 1202; 1235; 1250; 1278; 1293; 1317; 1330; 1346; 1364; 1378; 1394; 1407; 1421; 1442; 1455; 1476; 1489; 1503; 1523; 1541; 1554; 1571; 1586; 1603; 1623; 1653; 1670; 1690; 1704; 1720; 1737; 1752; 1773; 1786; 1801; 1820; 1837; 1850; 1891; 1905; 1918; 1936; 1974; 1989; 2007; 2048; 2072; 2092; 2110; 2131; 2154; 2186; 2201; 2223; 2241; 2254; 2275; 2292; 2305; 2318; 2334; 2347; 2377; 2392; 2417; 2435; 2448; 2463; 2487; 2501; 2525; 2550; 2566; 2604; 2620; 2659; 2673; 2687; 2715; 2731; 2745; 2759; 2788; 2801; 2822; 2831; 2853; 2883; 2899; 2917; 2947; 2970; 2994; 3018; 3037; 3065; 3091; 3107; 3120; 3143; 3157; 3177; 3190; 3204; 3223; 3237; 3250; 3266; 3281; 3294; 3310; 3325; 3341; 3366; 3385; 3401; 3414; 3427; 3445; 3459; 3473; 3489; 3511; 3527; 3546; 3568; 3584; 3607; 3626; 3640; 3656; 3670; 3690; 3706; 3719; 3741; 3774; 3788; 3808; 3821; 3835; 3889; 3902; 3925; 3938; 3957; 3974; 4001; 4037; 4070; 4089; 4114; 4135; 4162; 4175; 4192; 4206; 4221; 4237; 4297; 4322; 4338; 4360; 4373; 4387; 4418; 4432; 4457; 4475; 4490; 4503; 4522; 4535; 4550; 4579; 4598; 4616; 4641; 4656; 4675; 4691; 4710; 4728; 4744; 4758; 4777; 4804; 4827; 4849; 4868; 4883; 4896; 4913; 4933; 4960; 4973; 4992; 5017; 5040; 5054; 5067; 5084
MspJI	!NNNNNNNNNNNNNYNG	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; 1044; 1062; 1080; 1110; 1134; 1152; 1176; 1195; 1217; 1257; 1274; 1291; 1324; 1353; 1395; 1429; 1450; 1470; 1497; 1515; 1532; 1550; 1578; 1599; 1618; 1644; 1668; 1689; 1712; 1747; 1765; 1794; 1823; 1865; 1948; 1983; 2010; 2033; 2062; 2106; 2128; 2160; 2196; 2213; 2234; 2271; 2291; 2308; 2325; 2360; 2378; 2396; 2413; 2437; 2459; 2486; 2514; 2540; 2578; 2599; 2616; 2634; 2657; 2678; 2706; 2729; 2750; 2768; 2789; 2806; 2829; 2853; 2873; 2891; 2913; 2944; 2966; 2992; 3011; 3028; 3056; 3075; 3094; 3112; 3130; 3151; 3173; 3197; 3230; 3250; 3268; 3289; 3315; 3342; 3359; 3376; 3393; 3419; 3441; 3463; 3481; 3501; 3520; 3542; 3580; 3600; 3624; 3644; 3664; 3691; 3715; 3748; 3767; 3795; 3817; 3846; 3874; 3899; 3918; 3937; 3958; 3975; 3992; 4023; 4050; 4070; 4093; 4113; 4150; 4167; 4186; 4212; 4232; 4271; 4298; 4317; 4335; 4372; 4390; 4431; 4449; 4475; 4492; 4524; 4553; 4581; 4602; 4625; 4644; 4665; 4683; 4700; 4718; 4744; 4765; 4785; 4805; 4823; 4844; 4870; 4887; 4906; 4925; 4954; 4973; 4991; 5010; 5028; 5046; 5069
MspR9I	CC!NGG	24	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 1621; 2649; 2704; 2721; 3117; 3277; 3500; 3890; 4079; 4182; 4654; 4872; 4885; 5006
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1863
MvaI	CC!WGG	19	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 2649; 2704; 2721; 3500; 4079; 4182; 4872; 4885; 5006

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Mva1269I	GAATGCN!	1	1864
Mva1269I	G!CATTC	1	1957
MvnI	CG!CG	15	60; 1762; 2037; 2413; 2433; 2457; 2488; 3179; 3480; 3918; 4002; 4065; 4134; 4407; 4988
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1085; 1516; 2340; 2370; 2397; 2439; 2680; 2752; 2803; 2882; 3104; 3188; 3211; 3350; 3473; 3556; 3823; 4010; 4214; 4413; 4985
NaeI	GCC!GGC	3	2332; 3615; 3898
NarI	GG!CGCC	1	3113
NciI	CC!SGG	5	1621; 3117; 3277; 3890; 4654
NcoI	C!CATGG	4	360; 832; 2842; 3545
NdeI	CA!TATG	1	234
NdeII	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	1168
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	1204
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	3	2330; 3613; 3896
NheI	G!CTAGC	1	591
NlaIII	CATG!	26	304; 364; 659; 836; 845; 1055; 1079; 1085; 1097; 1175; 1241; 1321; 1532; 2543; 2683; 2755; 2846; 2987; 3332; 3518; 3549; 3575; 3931; 4315; 5035; 5086
NlaIV	GGN!NCC	21	467; 647; 698; 1036; 1103; 1163; 1474; 1554; 2268; 2289; 2301; 2492; 2653; 2725; 3114; 3149; 3997; 4076; 4121; 4964; 5003
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	5	947; 1034; 1945; 2260; 3852
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 1428; 4924
Nli3877I	CYCGR!G	1	617
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	2902; 3338
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1444; 2867
NmeDI	RCCGGYNNNNNNN!	6	825; 1052; 2342; 3444; 3625; 3908
NmeDI	!NNNNNNNNNNNNRCCGGY	6	800; 1027; 2317; 3419; 3600; 3883
NmuCI	!GTSAC	5	710; 1328; 2402; 3233; 3539
NotI	GC!GGCCGC	1	1757
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3215
NsiI	ATGCA!T	3	2685; 2757; 5088
NspI	RCATG!Y	5	1079; 2683; 2755; 3518; 5035
NspV	TT!CGAA	2	627; 3795
OliI	CACNN!NNGTG	0	
PabI	GTA!C	13	220; 245; 300; 333; 384; 541; 648; 784; 1002; 1021; 1093; 1243; 3420
Pacl	TTAAT!TAA	1	1751
PaeI	GCATG!C	3	2683; 2755; 3518
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	3	841; 2539; 4311
PaIAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	1271; 4078; 4181
PauI	G!CGCGC	0	
PceI	AGG!CCT	1	2934
PciI	A!CATGT	1	5031
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	2	3457; 3667
PcsI	WCGNNNN!NNNCGW	8	865; 991; 3407; 3484; 3727; 3801; 4194; 4712
PctI	GAATGCN!	1	1864
PctI	G!CATTC	1	1957
PdiI	GCC!GGC	3	2332; 3615; 3898
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	6	1177; 3598; 3732; 3842; 3879; 5057
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3231
PfIMI	CCANNNN!NTGG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PfoI	T!CCNGGA	2	1381; 3888
PhoI	GG!CC	31	84; 277; 831; 948; 978; 1008; 1198; 1441; 1510; 1533; 1555; 1665; 1707; 1759; 2079; 2221; 2876; 2882; 2891; 2934; 3021; 3195; 3586; 3613; 4122; 4179; 4212; 4557; 4991; 5009; 5020
PinAI	A!CCGGT	1	1040
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNN!	1	3494
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	2	3059; 3314
PleI	GAGTCNNNN!	3	1335; 2164; 2596
PleI	!NNNNNGACTC	6	404; 598; 1758; 2172; 3778; 4655
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNNNN!	1	2195
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	4325
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	4357
PpiI	!NNNNNNNGAACNNNNNNCTC	1	2163
PpsI	GAGTCNNNN!	3	1335; 2164; 2596
PpsI	!NNNNNGACTC	6	404; 598; 1758; 2172; 3778; 4655
Ppu10I	A!TGCAT	3	2681; 2753; 5084
Ppu21I	YAC!GTR	3	340; 2229; 3417
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	5031
PshAI	GACNN!NNGTC	0	
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	1896; 2101
Psp03I	GGWC!C	4	803; 1640; 3632; 4077
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	19	88; 281; 895; 930; 965; 1222; 1270; 1366; 1381; 1510; 2647; 2702; 2719; 3498; 4077; 4180; 4870; 4883; 5004
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	620
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	19	88; 281; 895; 930; 965; 1222; 1270; 1366; 1381; 1510; 2647; 2702; 2719; 3498; 4077; 4180; 4870; 4883; 5004
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	21	467; 647; 698; 1036; 1103; 1163; 1474; 1554; 2268; 2289; 2301; 2492; 2653; 2725; 3114; 3149; 3997; 4076; 4121; 4964; 5003
PspOMI	G!GGCCC	0	
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNN!	3	125; 2843; 3842
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3245
PspPI	G!GNCC	14	83; 276; 800; 1197; 1440; 1532; 1553; 1637; 2220; 3629; 4074; 4120; 4178; 4211
PspPPI	RG!GWCCY	0	
PspPRI	CCYAGNNNNNNNNNNNNNNNNNN!	3	2666; 2738; 4244
PspPRI	!NNNNNNNNNNNNNNNNNNCTGRGG	5	953; 1292; 1720; 2579; 3774
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	1	4214
PstI	CTGCA!G	1	638
PstNI	CAGNNN!CTG	2	4214; 4622
PsuI	R!GATCY	12	585; 609; 937; 1034; 1587; 3284; 3530; 3922; 4281; 4293; 4379; 4390
PsyI	GACN!NNGTC	1	3231
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	2611; 3219
RcaI	T!CATGA	3	841; 2539; 4311
RceI	CATCGACNNNNNNNNNNNNNNNNNNNN!	1	3628
RceI	!NNNNNNNNNNNNNNNNNNNGTTCGATG	0	
RgaI	GCGAT!CGC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
RgiI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNNN!	1	1842
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	13	219; 244; 299; 332; 383; 540; 647; 783; 1001; 1020; 1092; 1242; 3419
RsaNI	G!TAC	13	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1091; 1241; 3418
RseI	CAYNN!NNRTG	4	365; 777; 1080; 3550
RsrII	CG!GWCCG	1	3629
Rsr2I	CG!GWCCG	1	3629
SacI	GAGCT!C	1	620
SacII	CCGC!GG	0	
SalI	G!TCGAC	2	639; 1524
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	2	3457; 3667
SaqAI	T!TAA	18	7; 1066; 1747; 1751; 1814; 1875; 1996; 2017; 2028; 2040; 2051; 2068; 2166; 2437; 4256; 4270; 4275; 4327
SatI	GC!NGC	41	734; 752; 755; 960; 963; 1196; 1247; 1250; 1391; 1508; 1689; 1757; 1760; 1890; 2409; 2431; 2445; 2883; 3022; 3074; 3085; 3175; 3180; 3217; 3258; 3345; 3348; 3351; 3587; 3683; 3724; 3738; 3852; 4191; 4206; 4417; 4623; 4626; 4691; 4834; 4989
Sau96I	G!GNCC	14	83; 276; 800; 1197; 1440; 1532; 1553; 1637; 2220; 3629; 4074; 4120; 4178; 4211
Sau3AI	!GATC	24	585; 609; 937; 1034; 1411; 1561; 1587; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	1336; 2165; 2597
SchI	!NNNNNGACTC	6	404; 598; 1758; 2172; 3778; 4655
SciI	CTC!GAG	1	615
ScrFI	CC!NGG	24	90; 283; 897; 932; 967; 1224; 1272; 1368; 1383; 1512; 1621; 2649; 2704; 2721; 3117; 3277; 3500; 3890; 4079; 4182; 4654; 4872; 4885; 5006
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	5	749; 2691; 2763; 2932; 4874
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	3	1266; 3268; 3753
SdeOSI	GACNNNNRTGANNNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	15	620; 699; 1104; 1131; 1164; 1482; 1741; 2304; 3059; 3152; 3226; 3416; 3478; 4188; 4721
SelI	!CGCG	15	58; 1760; 2035; 2411; 2431; 2455; 2486; 3177; 3478; 3916; 4000; 4063; 4132; 4405; 4986
SetI	ASST!	69	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 768; 790; 802; 884; 930; 1063; 1090; 1186; 1236; 1257; 1408; 1543; 1561; 1612; 1680; 1699; 1723; 1747; 1803; 1824; 1833; 1845; 1894; 2061; 2176; 2188; 2231; 2268; 2318; 2341; 2465; 2613; 2708; 2901; 3014; 3142; 3221; 3232; 3304; 3375; 3419; 3679; 3825; 3869; 4200; 4231; 4290; 4333; 4476; 4497; 4596; 4733; 4748; 4767; 4779; 4823; 4869; 4920
SexAI	A!CCWGGT	1	2702
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	9	847; 883; 1285; 1929; 2692; 2764; 3412; 3476; 3751
SfaNI	!NNNNNNNNNGATGC	6	357; 1606; 3071; 3326; 3542; 4934
SfcI	C!TRYAG	4	634; 2448; 4575; 4766
SfiI	GGCCNNNN!NGGCC	1	2888
SfoI	GGC!GCC	1	3114
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	2	627; 3795

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNNN!	206	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; 1070; 1088; 1106; 1136; 1160; 1178; 1193; 1235; 1250; 1283; 1301; 1317; 1330; 1358; 1379; 1394; 1421; 1455; 1476; 1489; 1509; 1523; 1541; 1554; 1571; 1586; 1604; 1625; 1659; 1694; 1720; 1738; 1754; 1773; 1820; 1849; 1891; 1974; 2048; 2132; 2154; 2186; 2223; 2241; 2260; 2275; 2317; 2334; 2351; 2386; 2400; 2417; 2439; 2463; 2487; 2552; 2566; 2604; 2620; 2660; 2673; 2692; 2715; 2732; 2745; 2764; 2794; 2815; 2832; 2855; 2890; 2917; 2948; 2970; 2996; 3018; 3037; 3065; 3101; 3120; 3143; 3157; 3177; 3190; 3204; 3223; 3237; 3256; 3288; 3302; 3315; 3341; 3372; 3385; 3402; 3419; 3433; 3450; 3468; 3483; 3511; 3527; 3546; 3568; 3584; 3607; 3626; 3651; 3670; 3690; 3717; 3741; 3774; 3793; 3821; 3835; 3901; 3925; 3940; 3963; 3984; 4001; 4049; 4076; 4090; 4119; 4143; 4176; 4193; 4213; 4226; 4239; 4297; 4324; 4343; 4373; 4398; 4418; 4432; 4457; 4475; 4512; 4550; 4579; 4607; 4621; 4641; 4656; 4677; 4691; 4710; 4728; 4744; 4784; 4804; 4831; 4849; 4870; 4883; 4896; 4913; 4937; 4960; 4992; 5017; 5044; 5066
SgeI	!NNNNNNNNNNNNCNG	179	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; 1044; 1062; 1080; 1110; 1134; 1152; 1176; 1209; 1257; 1275; 1304; 1332; 1353; 1395; 1429; 1450; 1470; 1497; 1515; 1536; 1560; 1578; 1599; 1633; 1668; 1694; 1712; 1747; 1794; 1823; 1865; 1948; 2022; 2106; 2128; 2160; 2197; 2215; 2234; 2291; 2308; 2325; 2360; 2378; 2398; 2418; 2437; 2461; 2526; 2578; 2634; 2666; 2689; 2706; 2738; 2768; 2789; 2806; 2829; 2864; 2891; 2922; 2944; 2970; 2992; 3011; 3039; 3075; 3094; 3117; 3138; 3156; 3173; 3197; 3230; 3262; 3289; 3315; 3346; 3376; 3393; 3419; 3442; 3463; 3485; 3505; 3525; 3542; 3581; 3600; 3625; 3644; 3664; 3691; 3715; 3748; 3767; 3795; 3817; 3875; 3899; 3918; 3937; 3958; 3975; 4023; 4050; 4070; 4093; 4117; 4150; 4167; 4187; 4213; 4271; 4298; 4317; 4347; 4372; 4392; 4431; 4449; 4486; 4524; 4553; 4581; 4602; 4630; 4651; 4684; 4702; 4758; 4778; 4805; 4823; 4844; 4870; 4887; 4911; 4934; 4966; 4991; 5018; 5040; 5069
Sgfl	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	5	27; 1523; 2260; 4047; 4840
SimI	!GACCC	4	106; 3541; 4109; 4357
SinI	G!GWCC	4	800; 1637; 3629; 4074
SlaI	C!TCGAG	1	613
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	4	365; 777; 1080; 3550
SmlI	C!TYRAG	8	613; 619; 1611; 1995; 3504; 4386; 4663; 4925
SmoI	C!TYRAG	8	613; 619; 1611; 1995; 3504; 4386; 4663; 4925
SmuI	CCCGCNNNN!	12	93; 119; 286; 689; 900; 1505; 1607; 2435; 2790; 2811; 4007; 4139
SmuI	!NNNNNNGCGGG	6	1542; 2366; 3236; 3773; 3911; 4058
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2683; 2755; 3518
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	13	18; 629; 845; 1748; 1863; 1927; 2005; 2031; 2042; 2689; 2761; 2853; 4271
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCCT	0	
SseBI	AGG!CCT	1	2934
SsiI	C!CGC	40	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1360; 1498; 1600; 1640; 1760; 2428; 2431; 2445; 2535; 2783; 2795; 2804; 2816; 2826; 2837; 2883; 3022; 3085; 3587; 3632; 3698; 3724; 3849; 3852; 4000; 4132; 4439; 4583; 5079

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SsiI	G!CGG	29	370; 403; 528; 708; 733; 1195; 1507; 1549; 1756; 2373; 2400; 2488; 2598; 3179; 3243; 3344; 3347; 3627; 3682; 3780; 3918; 4065; 4205; 4448; 4693; 4814; 4833; 4960; 4988
SspI	AAT!ATT	2	2021; 2574
SspDI	G!GCGCC	1	3112
SspD5I	GGTGANNNNNNNN!	6	376; 722; 894; 1433; 4184; 4300
SspD5I	!NNNNNNNNTCACC	5	916; 1003; 1321; 2229; 3290
SstI	GAGCT!C	1	620
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	1366
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	21	92; 118; 285; 688; 899; 1288; 1504; 1606; 1627; 2312; 2434; 2789; 2810; 3123; 3526; 3665; 3736; 4006; 4138; 4368; 4806
Sth132I	!NNNNNNNNCCGGG	20	15; 407; 470; 1337; 1541; 2313; 2365; 2466; 3193; 3235; 3268; 3772; 3881; 3910; 4057; 4161; 4192; 4645; 4689; 4897
Sth302II	CC!GG	20	602; 815; 1042; 1622; 2332; 3019; 3096; 3118; 3146; 3277; 3367; 3434; 3615; 3890; 3898; 3990; 4464; 4654; 4680; 4827
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNNN!	4	2981; 3438; 3463; 3917
StsI	!NNNNNNNNNNNNNNNNCATCC	5	1117; 1205; 1262; 1417; 2785
StuI	AGG!CCT	1	2934
StyI	C!CWWGG	7	360; 826; 832; 2842; 2935; 3545; 3950
StyD4I	!CCNGG	24	88; 281; 895; 930; 965; 1222; 1270; 1366; 1381; 1510; 1619; 2647; 2702; 2719; 3115; 3275; 3498; 3888; 4077; 4180; 4652; 4870; 4883; 5004
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	15	76; 198; 269; 543; 581; 645; 1106; 2204; 3493; 3609; 3717; 4040; 4531; 5001; 5072
TaiI	ACGT!	15	125; 137; 178; 261; 342; 447; 1408; 2176; 2188; 2231; 2341; 3232; 3419; 4200; 4333
TaqI	T!CGA	19	614; 627; 640; 868; 918; 1189; 1216; 1525; 2262; 2953; 3226; 3382; 3406; 3442; 3604; 3795; 3840; 4095; 4933
TaqII	GACCGANNNNNNNNNNN!	3	2133; 3150; 3818
TaqII	!NNNNNNNNNTCGGTC	1	4062
TaqII	CACCCANNNNNNNNNNN!	2	1179; 1284
TaqII	!NNNNNNNNNTGGGTG	3	172; 3017; 3609
TasI	!AATT	13	18; 629; 845; 1748; 1863; 1927; 2005; 2031; 2042; 2689; 2761; 2853; 4271
TatI	W!GTACW	7	217; 297; 330; 381; 781; 1018; 1090
TauI	GCSG!C	21	736; 757; 1198; 1510; 1759; 1762; 2433; 2447; 2885; 3024; 3087; 3182; 3347; 3350; 3589; 3685; 3726; 3854; 4208; 4836; 4991
TfiI	G!AWTC	6	1177; 3598; 3732; 3842; 3879; 5057
TliI	C!TCGAG	1	613
TruII	T!TAA	18	7; 1066; 1747; 1751; 1814; 1875; 1996; 2017; 2028; 2040; 2051; 2068; 2166; 2437; 4256; 4270; 4275; 4327
Tru9I	T!TAA	18	7; 1066; 1747; 1751; 1814; 1875; 1996; 2017; 2028; 2040; 2051; 2068; 2166; 2437; 4256; 4270; 4275; 4327
TscAI	CASTGNN!	5	1959; 3242; 4352; 4623; 4636
TseI	G!CWGC	20	751; 959; 962; 1246; 1249; 1390; 1688; 1889; 2408; 3073; 3174; 3216; 3257; 3350; 3737; 4190; 4416; 4622; 4625; 4690
TsoI	TARCCANNNNNNNNNNN!	2	2085; 2432
TsoI	!NNNNNNNNNTGGYTA	3	1215; 1890; 3642
Tsp45I	!GTSAC	5	710; 1328; 2402; 3233; 3539
Tsp509I	!AATT	13	18; 629; 845; 1748; 1863; 1927; 2005; 2031; 2042; 2689; 2761; 2853; 4271
TspDTI	ATGAANNNNNNNNNNN!	6	858; 1098; 1464; 1871; 3172; 3876
TspDTI	!NNNNNNNNNTTCAT	6	26; 1226; 1247; 3590; 4046; 4253
TspEI	!AATT	13	18; 629; 845; 1748; 1863; 1927; 2005; 2031; 2042; 2689; 2761; 2853; 4271
TspGWI	ACGGANNNNNNNNNNN!	1	3988
TspGWI	!NNNNNNNNNTCCGT	0	
TspMI	C!CCGGG	0	
TspRI	CASTGNN!	5	1959; 3242; 4352; 4623; 4636
TstI	CACNNNNNNNTCCNNNNNNNNNNNN!	1	1007
TstI	!NNNNNNNGGANNNNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TstI	!NNNNNNNNCACNNNNNTCC	1	975
Tth111I	GACN!NNGTC	1	3231
Tth111II	CAARCANNNNNNNNNN!	2	996; 4440
Tth111III	!NNNNNNNNNTGYTTG	3	3548; 4408; 4447
UnbI	!GGNCC	14	82; 275; 799; 1196; 1439; 1531; 1552; 1636; 2219; 3628; 4073; 4119; 4177; 4210
Van9II	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	1	1995
VneI	G!TGCAC	2	1127; 4717
VpaK11AI	!GGWCC	4	799; 1636; 3628; 4073
VpaK11BI	G!GWCC	4	800; 1637; 3629; 4074
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	5	629; 845; 1927; 2031; 2042
XbaI	T!CTAGA	1	1767
XceI	RCATG!Y	5	1079; 2683; 2755; 3518; 5035
XcmI	CCANNNN!NNNTGG	0	
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	12	585; 609; 937; 1034; 1587; 3284; 3530; 3922; 4281; 4293; 4379; 4390
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	2	2935; 3950
XmiI	GT!MKAC	3	640; 1525; 1627
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	9	592; 1726; 1768; 1962; 2380; 2936; 3951; 4285; 4538
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2685; 2757; 5088