

## pmKate2-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	1892; 2097
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	1	870
AasI	GACNNNN!NNGTC	3	2180; 3136; 4925
AatI	AGG!CCT	2	1479; 2930
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	2	640; 1630
AccII	CG!CG	15	60; 1758; 2033; 2409; 2429; 2453; 2484; 3175; 3476; 3914; 3998; 4061; 4130; 4403; 4984
AccIII	T!CCGGA	0	
Acc16I	TGC!GCA	1	3211
Acc36I	ACCTGCNNNN!	2	3377; 3827
Acc36I	!NNNNNNNNGCAGGT	3	788; 870; 2996
Acc65I	G!GTACC	1	645
AccB1I	G!GYRCC	7	465; 645; 1104; 1164; 2262; 3108; 3143
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	2533; 3722
AccBSI	GAG!CGG	3	1752; 2369; 3776
AceIII	CAGCTCNNNNNNN!	1	2065
AceIII	!NNNNNNNNNNGAGCTG	2	552; 1050
AciI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1363; 1501; 1603; 1756; 2424; 2427; 2441; 2531; 2779; 2791; 2800; 2812; 2822; 2833; 2879; 3018; 3081; 3583; 3628; 3694; 3720; 3845; 3848; 3996; 4128; 4435; 4579; 5075
AciI	G!CGG	30	370; 403; 528; 708; 733; 1188; 1198; 1510; 1552; 1752; 2369; 2396; 2484; 2594; 3175; 3239; 3340; 3343; 3623; 3678; 3776; 3914; 4061; 4201; 4444; 4689; 4810; 4829; 4956; 4984
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	8	1042; 2977; 3288; 3534; 3926; 4285; 4383; 4469
AclWI	!NNNNNGATCC	8	580; 932; 1029; 1585; 3353; 3897; 4284; 4381
AcoI	Y!GGCCR	8	946; 976; 1708; 1753; 3015; 3189; 3580; 3607
AcsI	R!AATY	5	629; 845; 1923; 2027; 2038
AcuI	CTGAAGNNNNNNNNNNNNNNN!	4	813; 1560; 3255; 3687
AcuI	!NNNNNNNNNNNNNCTTCAG	1	4485
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	8	122; 175; 258; 444; 1627; 3109; 3811; 3890
AdeI	CACNNN!GTG	3	989; 1700; 2225
AfaI	GT!AC	14	219; 244; 299; 332; 383; 540; 647; 783; 1001; 1020; 1095; 1245; 1497; 3415
AfeI	AGC!GCT	3	596; 915; 1028
AfiI	CCNNNNN!NNGG	22	49; 692; 813; 1161; 1274; 1440; 1506; 2121; 2447; 2839; 3090; 3634; 3915; 3947; 4079; 4114; 4164; 4196; 4549; 4828; 4994; 5012
AfIII	C!TTAAG	1	1991
AfIII	A!CRYGT	1	5027
AgeI	A!CCGGT	1	1040
AgsI	TTS!AA	7	1127; 1577; 2520; 2564; 2574; 2987; 4563
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	19	88; 281; 895; 930; 965; 1225; 1273; 1369; 1384; 1513; 2643; 2698; 2715; 3494; 4073; 4176; 4866; 4879; 5000
AjuI	GAANNNNNNNTTGGNNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	1	1053
AlfI	GCANNNNNTGCNNNNNNNNNNNN!	2	2683; 2755
AlfI	!NNNNNNNNNNGCANNNNNTGCG	2	2649; 2721
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	2	1451; 2191
AloI	!NNNNNNNGGANNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	2	1419; 2159
AluI	AG!CT	19	566; 618; 624; 766; 1064; 1091; 1237; 1544; 1888; 2055; 2312; 2607; 2895; 3215; 3673; 4470; 4727; 4773; 4863
AluBI	AG!CT	19	566; 618; 624; 766; 1064; 1091; 1237; 1544; 1888; 2055; 2312; 2607; 2895; 3215; 3673; 4470; 4727; 4773; 4863
AlwI	GGATCNNNN!	8	1042; 2977; 3288; 3534; 3926; 4285; 4383; 4469
AlwI	!NNNNNGATCC	8	580; 932; 1029; 1585; 3353; 3897; 4284; 4381
Alw21I	GWGCW!C	5	620; 1134; 3222; 3412; 4717
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	6	1482; 1671; 2533; 2951; 3970; 4098
Alw44I	G!TGCAC	2	1130; 4713
AlwNI	CAGNNN!CTG	3	1717; 4210; 4618
Ama87I	C!YCGRG	2	613; 1308
Aor13HI	T!CCGGA	0	
Aor51HI	AGC!GCT	3	596; 915; 1028
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	3	2677; 2749; 4211
ApaLI	G!TGCAC	2	1130; 4713
ApeKI	G!CWGC	19	751; 959; 962; 1249; 1393; 1691; 1885; 2404; 3069; 3170; 3212; 3253; 3346; 3733; 4186; 4412; 4618; 4621; 4686
ApoI	R!AATTY	5	629; 845; 1923; 2027; 2038
ApyPI	ATCGACNNNNNNNNNNNNNNNNNNNN!	1	3624
ApyPI	!NNNNNNNNNNNNNNNNNNNGTCGAT	3	3418; 4071; 4909
AquII	GCCGNACNNNNNNNNNNNNNNNNNNNN!	1	3508
AquII	!NNNNNNNNNNNNNNNNNNNGTNCGGC	1	1225
AquIII	GAGGAGNNNNNNNNNNNNNNNNNNNN!	1	2937
AquIII	!NNNNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNNCTCCYC	2	1286; 3679
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNGTC	0	
ArsI	CRAANNNNNGTCNNNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	24	586; 610; 938; 1035; 1415; 1565; 1591; 1767; 2947; 2951; 2970; 3281; 3359; 3440; 3449; 3527; 3903; 3919; 4278; 4290; 4368; 4376; 4387; 4462
AsiGI	A!CCGGT	1	1040
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3227
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	1	645
AspA2I	C!CTAGG	2	2931; 3946
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2375; 2383; 2409; 2431; 2440; 2453; 2484; 3103; 3111; 3175; 3212; 3478; 3738; 3914; 4000; 4403; 4512; 4686; 4786; 4853
AspS9I	G!GNCC	13	83; 276; 800; 1200; 1443; 1535; 1556; 2216; 3625; 4070; 4116; 4174; 4207
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	627; 3791
AsuC2I	CC!SGG	5	1624; 3113; 3273; 3886; 4650
AsuHPI	GGTGANNNNNNNN!	7	376; 722; 894; 1067; 1436; 4180; 4296
AsuHPI	!NNNNNNNTCACC	5	917; 1004; 1325; 2226; 3287
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	2	613; 1308
AvaII	G!GWCC	3	800; 3625; 4070
AviII	TGC!GCA	1	3211

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AvrII	C!CTAGG	2	2931; 3946
AxyI	CC!TNAGG	2	2589; 4221
BaeI	ACNNNGTAYCNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNNGTAYC	0	
BaeGI	GKGCMI!C	7	1107; 1134; 1167; 1744; 3055; 3148; 4717
BalI	TGG!CCA	3	978; 1710; 3191
BamHI	G!GATCC	1	1034
BanI	G!GYRCC	7	465; 645; 1104; 1164; 2262; 3108; 3143
BanII	GRGCY!C	5	620; 699; 2300; 3474; 4184
BanIII	AT!CGAT	1	2949
BarI	GAAGNNNNNTACNNNNNNNNNNNN!	1	1601
BarI	!NNNNNNNGTANNNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNNNTAC	1	1569
BasI	CCANNNN!NTGG	0	
BauI	C!ACGAG	3	1695; 3827; 4854
BauI	C!TCGTG	2	1545; 3701
BbeI	GGCGC!C	1	3112
Bbr7I	GAAGACNNNNNNN!	3	1356; 1589; 1657
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	3	1351; 1584; 1652
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	2679; 2751; 3514
BbvI	GCAGCNNNNNNNNN!	9	763; 1261; 1703; 1897; 3182; 3224; 3745; 4198; 4698
BbvI	!NNNNNNNNNNNGCTGC	8	946; 1380; 2391; 3056; 3240; 3333; 4399; 4605
Bbv12I	GWGCW!C	5	620; 1134; 3222; 3412; 4717
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	8	780; 930; 1017; 1442; 2239; 2803; 3329; 3831
BccI	!NNNNNGATGG	3	2207; 2987; 3415
BceAI	ACGGCNNNNNNNNNNNN!	7	961; 1262; 1406; 1457; 1523; 3535; 4022
BceAI	!NNNNNNNNNNNNNGCCGT	5	933; 972; 2250; 3068; 4527
BceFI	ACGGCNNNNNNNNNNNN!	7	961; 1262; 1406; 1457; 1523; 3535; 4022
BceFI	!NNNNNNNNNNNNNGCCGT	5	934; 973; 2251; 3069; 4528
BcgI	CGANNNNNNTGCNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	GCANNNNNNTCGNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2538; 3328; 4829
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	5	1624; 3113; 3273; 3886; 4650
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNNTCANNNNNNNNNNNN!	1	4962
BdaI	!NNNNNNNNNNNTGANNNNNNNTCA	1	4928
BfaI	C!TAG	9	592; 1729; 1764; 1958; 2376; 2932; 3947; 4281; 4534
BfiI	ACTGGGNNNNN!	2	1746; 3058
BfiI	!NNNCCCAGT	2	289; 2810
BfmI	C!TRYAG	4	634; 2444; 4571; 4762
BfoI	RGCGC!Y	7	598; 917; 1030; 2376; 2384; 3112; 4787
BfrI	C!TTAAG	1	1991
BfuI	GTATCCNNNNNN!	3	2538; 3328; 4829
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	2	3377; 3827
BfuAI	!NNNNNNNNNGCAGGT	3	788; 870; 2996
BfuCI	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
BglI	GCCNNNN!NGGC	6	90; 212; 283; 1519; 1533; 2884
BglII	A!GATCT	1	609

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BisI	GC!NGC	40	734; 752; 755; 960; 963; 1199; 1250; 1394; 1511; 1692; 1753; 1756; 1886; 2405; 2427; 2441; 2879; 3018; 3070; 3081; 3171; 3176; 3213; 3254; 3341; 3344; 3347; 3583; 3679; 3720; 3734; 3848; 4187; 4202; 4413; 4619; 4622; 4687; 4830; 4985
BlnI	C!CTAGG	2	2931; 3946
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	40	735; 753; 756; 961; 964; 1200; 1251; 1395; 1512; 1693; 1754; 1757; 1887; 2406; 2428; 2442; 2880; 3019; 3071; 3082; 3172; 3177; 3214; 3255; 3342; 3345; 3348; 3584; 3680; 3721; 3735; 3849; 4188; 4203; 4414; 4620; 4623; 4688; 4831; 4986
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	3	800; 3625; 4070
Bme1390I	CC!NGG	24	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 1624; 2645; 2700; 2717; 3113; 3273; 3496; 3886; 4075; 4178; 4650; 4868; 4881; 5002
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	2	613; 1308
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	13	84; 277; 801; 1201; 1444; 1536; 1557; 2217; 3626; 4071; 4117; 4175; 4208
BmiI	GGN!NCC	20	467; 647; 698; 1036; 1106; 1166; 1557; 2264; 2285; 2297; 2488; 2649; 2721; 3110; 3145; 3993; 4072; 4117; 4960; 4999
BmrI	ACTGGGNNNNN!	2	1746; 3058
BmrI	!NNNNCCCAGT	2	289; 2810
BmrFI	CC!NGG	24	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 1624; 2645; 2700; 2717; 3113; 3273; 3496; 3886; 4075; 4178; 4650; 4868; 4881; 5002
BmsI	GCATCNNNNN!	9	847; 883; 1288; 1925; 2688; 2760; 3408; 3472; 3747
BmsI	!NNNNNNNNNGATGC	7	357; 1441; 1609; 3067; 3322; 3538; 4930
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	1746; 3058
BmuI	!NNNNCCCAGT	2	289; 2810
BoxI	GACNN!NNGTC	1	1683
BpiI	GAAGACNN!	3	1351; 1584; 1652
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	2898; 3797
BpI	!NNNNNNNGAGNNNNNCTC	2	2866; 3765
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	3949
BpmI	!NNNNNNNNNNNNNNCTCCAG	3	914; 1368; 3892
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	1030
Bpu14I	TT!CGAA	2	627; 3791
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	3	1351; 1584; 1652
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4403; 4942
BpuEI	!NNNNNNNNNNNNNNCTCAAG	4	604; 1599; 3485; 4644
BpuMI	CC!SGG	5	1624; 3113; 3273; 3886; 4650
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	3	1482; 1671; 4098
Bsa29I	AT!CGAT	1	2949
BsaAI	YAC!GTR	3	340; 2225; 3413
BsaBI	GATNN!NNATC	2	1771; 2968
BsaHI	GR!CGYC	8	122; 175; 258; 444; 1627; 3109; 3811; 3890
BsaJI	C!CNNGG	23	360; 826; 832; 931; 966; 994; 1051; 1138; 1274; 1309; 1369; 2643; 2715; 2838; 2873; 2882; 2931; 3272; 3541; 3946; 4074; 4177; 4867
BsaMI	GAATGCN!	1	1860
BsaMI	G!CATTC	1	1953
BsaWI	W!CCGGW	6	600; 1040; 3140; 3984; 4674; 4821
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	2189
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	2159

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BsbI	CAACACNNNNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	2110; 4017
Bsc4I	CCNNNNN!NNGG	22	49; 692; 813; 1161; 1274; 1440; 1506; 2121; 2447; 2839; 3090; 3634; 3915; 3947; 4079; 4114; 4164; 4196; 4549; 4828; 4994; 5012
BscAI	GCATCNNNN!	9	846; 882; 1287; 1924; 2687; 2759; 3407; 3471; 3746
BscAI	!NNNNNNGATGC	7	360; 1444; 1612; 3070; 3325; 3541; 4933
BseI	ACTGGN!	5	1654; 1741; 3053; 3254; 4500
BseI	C!CAGT	5	295; 2138; 2816; 4612; 4625
Bse8I	GATNN!NNATC	2	1771; 2968
Bse2II	CC!TNAGG	2	2589; 4221
Bse118I	R!CCGGY	6	813; 1040; 2326; 3428; 3609; 3892
BseAI	T!CCGGA	0	
BseBI	CC!WGG	19	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 2645; 2700; 2717; 3496; 4075; 4178; 4868; 4881; 5002
BseCI	AT!CGAT	1	2949
BseDI	C!CNNGG	23	360; 826; 832; 931; 966; 994; 1051; 1138; 1274; 1309; 1369; 2643; 2715; 2838; 2873; 2882; 2931; 3272; 3541; 3946; 4074; 4177; 4867
Bse3DI	GCAATGNN!	1	3342
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	2969; 3426; 3451; 3905
BseGI	!CATCC	5	1134; 1222; 1279; 1434; 2795
BseJI	GATNN!NNATC	2	1771; 2968
BseLI	CCNNNNN!NNGG	22	49; 692; 813; 1161; 1274; 1440; 1506; 2121; 2447; 2839; 3090; 3634; 3915; 3947; 4079; 4114; 4164; 4196; 4549; 4828; 4994; 5012
BseMI	GCAATGNN!	1	3342
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	2	620; 4235
BseMII	!NNNNNNNNCTGAG	5	2580; 2882; 3763; 4335; 4744
BseNI	ACTGGN!	5	1654; 1741; 3053; 3254; 4500
BseNI	C!CAGT	5	295; 2138; 2816; 4612; 4625
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	1	2927
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGC!C	7	1107; 1134; 1167; 1744; 3055; 3148; 4717
BseXI	GCAGCNNNNNNNN!	9	763; 1261; 1703; 1897; 3182; 3224; 3745; 4198; 4698
BseXI	!NNNNNNNNNNNGCTGC	8	946; 1380; 2391; 3056; 3240; 3333; 4399; 4605
BseX3I	C!GGCCG	3	946; 1753; 3015
BseYI	C!CCAGC	3	2652; 2724; 4723
BseYI	G!CTGGG	2	1471; 3613
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	15	60; 1758; 2033; 2409; 2429; 2453; 2484; 3175; 3476; 3914; 3998; 4061; 4130; 4403; 4984
Bsh1285I	CGRY!CG	6	949; 1045; 1192; 1756; 3018; 4693
BshFI	GG!CC	32	84; 277; 831; 948; 978; 1008; 1201; 1444; 1479; 1513; 1536; 1558; 1668; 1710; 1755; 2075; 2217; 2872; 2878; 2887; 2930; 3017; 3191; 3582; 3609; 4118; 4175; 4208; 4553; 4987; 5005; 5016
BshNI	G!GYRCC	7	465; 645; 1104; 1164; 2262; 3108; 3143
BshTI	A!CCGGT	1	1040
BshVI	AT!CGAT	1	2949
BsiEI	CGRY!CG	6	949; 1045; 1192; 1756; 3018; 4693
BsiHKAI	GWGCW!C	5	620; 1134; 3222; 3412; 4717
BsiHKCI	C!YCGRG	2	613; 1308
BsiSI	C!CGG	20	601; 814; 1041; 1624; 2327; 3014; 3091; 3113; 3141; 3272; 3362; 3429; 3610; 3885; 3893; 3985; 4459; 4649; 4675; 4822
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	22	49; 692; 813; 1161; 1274; 1440; 1506; 2121; 2447; 2839; 3090; 3634; 3915; 3947; 4079; 4114; 4164; 4196; 4549; 4828; 4994; 5012
BsIFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3260; 3792; 3901
BsIFI	!NNNNNNNNNNNNNGTCCC	4	2625; 2697; 2761; 4056
BsmI	GAATGCN!	1	1860

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BsmI	G!CATTC	1	1953
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	6	1482; 1671; 2533; 2951; 3970; 4098
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3260; 3792; 3901
BsmFI	!NNNNNNNNNNNNNGTCCC	4	2625; 2697; 2761; 4056
BsnI	GG!CC	32	84; 277; 831; 948; 978; 1008; 1201; 1444; 1479; 1513; 1536; 1558; 1668; 1710; 1755; 2075; 2217; 2872; 2878; 2887; 2930; 3017; 3191; 3582; 3609; 4118; 4175; 4208; 4553; 4987; 5005; 5016
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	3	1482; 1671; 4098
BsoBI	C!YCGRG	2	613; 1308
Bsp13I	T!CCGGA	0	
Bsp19I	C!CATGG	5	360; 832; 1051; 2838; 3541
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 3912
Bsp24I	!NNNNNNCCANNNNNNNGTC	2	4333; 4511
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4365; 4543
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 3880
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	627; 3791
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
Bsp1286I	GDGCH!C	14	620; 699; 1107; 1134; 1167; 1744; 2300; 3055; 3148; 3222; 3412; 3474; 4184; 4717
Bsp1407I	T!GTACA	2	781; 1093
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1363; 1501; 1603; 1756; 2424; 2427; 2441; 2531; 2779; 2791; 2800; 2812; 2822; 2833; 2879; 3018; 3081; 3583; 3628; 3694; 3720; 3845; 3848; 3996; 4128; 4435; 4579; 5075
BspACI	G!CGG	30	370; 403; 528; 708; 733; 1188; 1198; 1510; 1552; 1752; 2369; 2396; 2484; 2594; 3175; 3239; 3340; 3343; 3623; 3678; 3776; 3914; 4061; 4201; 4444; 4689; 4810; 4829; 4956; 4984
BspCNI	CTCAGNNNNNNNN!	2	619; 4234
BspCNI	!NNNNNNCTGAG	5	2581; 2883; 3764; 4336; 4745
BspDI	AT!CGAT	1	2949
BspD6I	GACTCNNNN!	6	418; 612; 1768; 2182; 3788; 4665
BspD6I	!NNNNNGAGTC	3	1323; 2145; 2577
BspEI	T!CCGGA	0	
BspFNI	CG!CG	15	60; 1758; 2033; 2409; 2429; 2453; 2484; 3175; 3476; 3914; 3998; 4061; 4130; 4403; 4984
BspHI	T!CATGA	3	841; 2535; 4307
BspLI	GGN!NCC	20	467; 647; 698; 1036; 1106; 1166; 1557; 2264; 2285; 2297; 2488; 2649; 2721; 3110; 3145; 3993; 4072; 4117; 4960; 4999
BspMI	ACCTGCNNNN!	2	3377; 3827
BspMI	!NNNNNNNGCAGGT	3	788; 870; 2996
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	8	1042; 2977; 3288; 3534; 3926; 4285; 4383; 4469
BspPI	!NNNNNGATCC	8	580; 932; 1029; 1585; 3353; 3897; 4284; 4381
BspQI	GCTCTTCN!	0	
BspQI	!NNNNGAAGAGC	2	3453; 3663
BspTI	C!TTAAG	1	1991
BspT104I	TT!CGAA	2	627; 3791
BspT107I	G!GYRCC	7	465; 645; 1104; 1164; 2262; 3108; 3143
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	3	1482; 1671; 4098
BsrI	ACTGGN!	5	1654; 1741; 3053; 3254; 4500
BsrI	C!CAGT	5	295; 2138; 2816; 4612; 4625
BsrBI	CCG!CTC	2	2533; 3722
BsrBI	GAG!CGG	3	1752; 2369; 3776
BsrDI	GCAATGNN!	1	3342
BsrDI	!CATTGC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrFI	R!CCGGY	6	813; 1040; 2326; 3428; 3609; 3892
BsrGI	T!GTACA	2	781; 1093
BsrSI	ACTGGN!	5	1654; 1741; 3053; 3254; 4500
BsrSI	C!CAGT	5	295; 2138; 2816; 4612; 4625
BssAI	R!CCGGY	6	813; 1040; 2326; 3428; 3609; 3892
BssECI	C!CNNGG	23	360; 826; 832; 931; 966; 994; 1051; 1138; 1274; 1309; 1369; 2643; 2715; 2838; 2873; 2882; 2931; 3272; 3541; 3946; 4074; 4177; 4867
BssHII	G!CGCGC	0	
BssKI	!CCNGG	24	88; 281; 895; 930; 965; 1225; 1273; 1369; 1384; 1513; 1622; 2643; 2698; 2715; 3111; 3271; 3494; 3884; 4073; 4176; 4648; 4866; 4879; 5000
BssMI	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
BssNI	GR!CGYC	8	122; 175; 258; 444; 1627; 3109; 3811; 3890
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	1695; 3827; 4854
BssSI	C!TCGTG	2	1545; 3701
BssTII	C!CWWGG	8	360; 826; 832; 1051; 2838; 2931; 3541; 3946
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	3	2576; 3453; 3663
Bst98I	C!TTAAG	1	1991
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 1627; 3109; 3811; 3890
BstAFI	C!TTAAG	1	1991
BstAPI	GCANNNN!NTGC	3	2676; 2748; 4210
BstAUI	T!GTACA	2	781; 1093
BstBI	TT!CGAA	2	627; 3791
Bst2BI	C!ACGAG	3	1695; 3827; 4854
Bst2BI	C!TCGTG	2	1545; 3701
BstBAI	YAC!GTR	3	340; 2225; 3413
Bst4CI	ACN!GT	15	76; 198; 269; 543; 581; 645; 1109; 2200; 3489; 3605; 3713; 4036; 4527; 4997; 5068
BstC8I	GCN!NGC	35	86; 279; 593; 667; 747; 957; 985; 1062; 1152; 1356; 2328; 2371; 2385; 2658; 2677; 2730; 2749; 3003; 3189; 3408; 3474; 3480; 3508; 3512; 3553; 3557; 3611; 3894; 4081; 4128; 4184; 4206; 4417; 4977; 5014
BstDEI	C!TNAG	11	606; 715; 1003; 1030; 1606; 2589; 2891; 3772; 4221; 4344; 4753
BstDSI	C!CRYGG	5	360; 832; 1051; 2838; 3541
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	2969; 3426; 3451; 3905
BstF5I	!CATCC	5	1134; 1222; 1279; 1434; 2795
BstFNI	CG!CG	15	60; 1758; 2033; 2409; 2429; 2453; 2484; 3175; 3476; 3914; 3998; 4061; 4130; 4403; 4984
BstH2I	RGCGC!Y	7	598; 917; 1030; 2376; 2384; 3112; 4787
BstHHI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2375; 2383; 2409; 2431; 2440; 2453; 2484; 3103; 3111; 3175; 3212; 3478; 3738; 3914; 4000; 4403; 4512; 4686; 4786; 4853
BstKTI	GAT!C	24	588; 612; 940; 1037; 1417; 1567; 1593; 1769; 2949; 2953; 2972; 3283; 3361; 3442; 3451; 3529; 3905; 3921; 4280; 4292; 4370; 4378; 4389; 4464
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	6	1482; 1671; 2533; 2951; 3970; 4098
BstMBI	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
BstMCI	CGRY!CG	6	949; 1045; 1192; 1756; 3018; 4693
BstMWI	GCNNNNN!NNGC	34	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1088; 1519; 1533; 2336; 2366; 2393; 2435; 2676; 2748; 2799; 2878; 3100; 3184; 3207; 3346; 3469; 3552; 3819; 4006; 4210; 4409; 4981
BstNI	CC!WGG	19	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 2645; 2700; 2717; 3496; 4075; 4178; 4868; 4881; 5002
BstNSI	RCATG!Y	5	1082; 2679; 2751; 3514; 5031

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstOI	CC!WGG	19	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 2645; 2700; 2717; 3496; 4075; 4178; 4868; 4881; 5002
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	1	1683
BstSCI	!CCNGG	24	88; 281; 895; 930; 965; 1225; 1273; 1369; 1384; 1513; 1622; 2643; 2698; 2715; 3111; 3271; 3494; 3884; 4073; 4176; 4648; 4866; 4879; 5000
BstSFI	C!TRYAG	4	634; 2444; 4571; 4762
BstSLI	GKGCMLC	7	1107; 1134; 1167; 1744; 3055; 3148; 4717
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	15	60; 1758; 2033; 2409; 2429; 2453; 2484; 3175; 3476; 3914; 3998; 4061; 4130; 4403; 4984
Bst2UI	CC!WGG	19	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 2645; 2700; 2717; 3496; 4075; 4178; 4868; 4881; 5002
BstV1I	GCAGCNNNNNNNN!	9	763; 1261; 1703; 1897; 3182; 3224; 3745; 4198; 4698
BstV1I	!NNNNNNNNNNNGCTGC	8	946; 1380; 2391; 3056; 3240; 3333; 4399; 4605
BstV2I	GAAGACNN!	3	1351; 1584; 1652
BstV2I	!NNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	1	833
BstX2I	R!GATCY	12	585; 609; 937; 1034; 1590; 3280; 3526; 3918; 4277; 4289; 4375; 4386
BstYI	R!GATCY	12	585; 609; 937; 1034; 1590; 3280; 3526; 3918; 4277; 4289; 4375; 4386
BstZI	C!GGCCG	3	946; 1753; 3015
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2538; 3328; 4829
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	2949
Bsu36I	CC!TNAGG	2	2589; 4221
BsuRI	GG!CC	32	84; 277; 831; 948; 978; 1008; 1201; 1444; 1479; 1513; 1536; 1558; 1668; 1710; 1755; 2075; 2217; 2872; 2878; 2887; 2930; 3017; 3191; 3582; 3609; 4118; 4175; 4208; 4553; 4987; 5005; 5016
BsuTUI	AT!CGAT	1	2949
BtgI	C!CRYGG	5	360; 832; 1051; 2838; 3541
BtgZI	GCGATGNNNNNNNNNN!	2	2226; 3561
BtgZI	!NNNNNNNNNNNNNNCATCGC	4	334; 860; 3380; 3724
BthCI	GCNG!C	40	736; 754; 757; 962; 965; 1201; 1252; 1396; 1513; 1694; 1755; 1758; 1888; 2407; 2429; 2443; 2881; 3020; 3072; 3083; 3173; 3178; 3215; 3256; 3343; 3346; 3349; 3585; 3681; 3722; 3736; 3850; 4189; 4204; 4415; 4621; 4624; 4689; 4832; 4987
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	1948
BtsCI	GGATGNN!	4	2969; 3426; 3451; 3905
BtsCI	!CATCC	5	1134; 1222; 1279; 1434; 2795
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	3377; 3827
BveI	!NNNNNNNNNGCAGGT	3	788; 870; 2996
Cac8I	GCN!NGC	35	86; 279; 593; 667; 747; 957; 985; 1062; 1152; 1356; 2328; 2371; 2385; 2658; 2677; 2730; 2749; 3003; 3189; 3408; 3474; 3480; 3508; 3512; 3553; 3557; 3611; 3894; 4081; 4128; 4184; 4206; 4417; 4977; 5014
CaiI	CAGNNN!CTG	3	1717; 4210; 4618
CciI	T!CATGA	3	841; 2535; 4307
CciNI	GC!GGCCGC	1	1753
CdiI	CATC!G	6	352; 878; 3398; 3403; 3601; 3742
CdiI	C!GATG	2	2212; 3547
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNNNN!	1	4981
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 2770; 2812
CelII	GC!TNAGC	0	
CfoI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2375; 2383; 2409; 2431; 2440; 2453; 2484; 3103; 3111; 3175; 3212; 3478; 3738; 3914; 4000; 4403; 4512; 4686; 4786; 4853
CfrI	Y!GGCCR	8	946; 976; 1708; 1753; 3015; 3189; 3580; 3607
Cfr9I	C!CCGGG	0	



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Cfr10I	R!CCGGY	6	813; 1040; 2326; 3428; 3609; 3892
Cfr13I	G!GNCC	13	83; 276; 800; 1200; 1443; 1535; 1556; 2216; 3625; 4070; 4116; 4174; 4207
Cfr42I	CCGC!GG	0	
ChaI	GATC!	24	589; 613; 941; 1038; 1418; 1568; 1594; 1770; 2950; 2954; 2973; 3284; 3362; 3443; 3452; 3530; 3906; 3922; 4281; 4293; 4371; 4379; 4390; 4465
CjeI	CCANNNNNNGTNNNNNNNNNNNNNNN!	5	1146; 2926; 4366; 4466; 4544
CjeI	!NNNNNNNNNACNNNNNNNTGG	7	64; 257; 2593; 2688; 3880; 4430; 4985
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 2627; 2722; 3914; 4464; 5019
CjeI	!NNNNNNNNCCANNNNNNGT	5	1112; 2892; 4332; 4432; 4510
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	2	4366; 4544
CjePI	!NNNNNNNNGANNNNNNNTGG	4	257; 1516; 3880; 4479
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	4	290; 1549; 3913; 4512
CjePI	!NNNNNNNNCCANNNNNNNNTC	2	4333; 4511
Clal	AT!CGAT	1	2949
CpoI	CG!GWCCG	1	3625
CseI	GACGCNNNNN!	3	526; 3819; 3898
CseI	!NNNNNNNNNGCGTC	4	1616; 2442; 4337; 4915
CsiI	A!CCWGGT	1	2698
CspI	CG!GWCCG	1	3625
Csp6I	G!TAC	14	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1094; 1244; 1496; 3414
Csp45I	TT!CGAA	2	627; 3791
CspAI	A!CCGGT	1	1040
CspCI	CAANNNNNGTGGNNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGGNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNN!	5	784; 1096; 1687; 2389; 3998
CstMI	!NNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	26	301; 361; 656; 833; 842; 1052; 1079; 1085; 1097; 1175; 1241; 1321; 1532; 2536; 2676; 2748; 2839; 2980; 3325; 3511; 3542; 3568; 3924; 4308; 5028; 5079
CviJI	RG!CY	103	42; 84; 93; 277; 566; 618; 624; 665; 697; 754; 766; 831; 888; 948; 978; 1008; 1064; 1091; 1154; 1201; 1230; 1237; 1315; 1381; 1393; 1444; 1471; 1479; 1513; 1527; 1536; 1544; 1558; 1668; 1704; 1710; 1755; 1778; 1888; 2055; 2075; 2217; 2298; 2312; 2326; 2607; 2648; 2720; 2843; 2872; 2878; 2887; 2895; 2918; 2930; 2936; 3017; 3034; 3042; 3069; 3094; 3178; 3187; 3191; 3215; 3253; 3329; 3346; 3365; 3428; 3472; 3482; 3499; 3582; 3609; 3613; 3650; 3673; 3689; 3869; 3896; 3957; 4079; 4118; 4175; 4182; 4189; 4208; 4219; 4470; 4499; 4542; 4553; 4618; 4697; 4722; 4727; 4773; 4863; 4961; 4987; 5005; 5016
CviKI-1	RG!CY	103	42; 84; 93; 277; 566; 618; 624; 665; 697; 754; 766; 831; 888; 948; 978; 1008; 1064; 1091; 1154; 1201; 1230; 1237; 1315; 1381; 1393; 1444; 1471; 1479; 1513; 1527; 1536; 1544; 1558; 1668; 1704; 1710; 1755; 1778; 1888; 2055; 2075; 2217; 2298; 2312; 2326; 2607; 2648; 2720; 2843; 2872; 2878; 2887; 2895; 2918; 2930; 2936; 3017; 3034; 3042; 3069; 3094; 3178; 3187; 3191; 3215; 3253; 3329; 3346; 3365; 3428; 3472; 3482; 3499; 3582; 3609; 3613; 3650; 3673; 3689; 3869; 3896; 3957; 4079; 4118; 4175; 4182; 4189; 4208; 4219; 4470; 4499; 4542; 4553; 4618; 4697; 4722; 4727; 4773; 4863; 4961; 4987; 5005; 5016
CviQI	G!TAC	14	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1094; 1244; 1496; 3414
DdeI	C!TNAG	11	606; 715; 1003; 1030; 1606; 2589; 2891; 3772; 4221; 4344; 4753
DinI	GGC!GCC	1	3110
DpnI	GA!TC	24	587; 611; 939; 1036; 1416; 1566; 1592; 1768; 2948; 2952; 2971; 3282; 3360; 3441; 3450; 3528; 3904; 3920; 4279; 4291; 4369; 4377; 4388; 4463
DpnII	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
DraI	TTT!AAA	3	1811; 4253; 4272
DraII	RG!GNCCY	1	4207
DraIII	CACNNN!GTG	3	989; 1700; 2225

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	4	266; 1006; 1042; 4589
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	3	2180; 3136; 4925
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	2180; 3136; 4925
EaeI	Y!GGCCR	8	946; 976; 1708; 1753; 3015; 3189; 3580; 3607
EagI	C!GGCCG	3	946; 1753; 3015
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	3	2576; 3453; 3663
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	3	2576; 3453; 3663
EciI	GGCGGANNNNNNNNNNNN!	4	2609; 3638; 4825; 4971
EciI	!NNNNNNNNNTCCGCC	4	496; 2780; 2801; 2822
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	3	946; 1753; 3015
Eco24I	GRGCY!C	5	620; 699; 2300; 3474; 4184
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	3	1482; 1671; 4098
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	3	800; 3625; 4070
Eco47III	AGC!GCT	3	596; 915; 1028
Eco52I	C!GGCCG	3	946; 1753; 3015
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	4	813; 1560; 3255; 3687
Eco57I	!NNNNNNNNNNNNNCTTCAG	1	4485
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	2	2589; 4221
Eco88I	C!YCGRG	2	613; 1308
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	8	360; 826; 832; 1051; 2838; 2931; 3541; 3946
Eco147I	AGG!CCT	2	1479; 2930
EcoHI	!CCSGG	5	1622; 3111; 3271; 3884; 4648
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	5	813; 1560; 3255; 3687; 3949
Eco57MI	!NNNNNNNNNNNNNCTYCAG	4	914; 1368; 3892; 4485
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	1	4207
EcoRI	G!AATTC	2	629; 845
EcoRII	!CCWGG	19	88; 281; 895; 930; 965; 1225; 1273; 1369; 1384; 1513; 2643; 2698; 2715; 3494; 4073; 4176; 4866; 4879; 5000
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	8	360; 826; 832; 1051; 2838; 2931; 3541; 3946
EcoT22I	ATGCA!T	3	2681; 2753; 5084
EcoT38I	GRGCY!C	5	620; 699; 2300; 3474; 4184
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	1	3110
EheI	GGC!GCC	1	3110
ErhI	C!CWWGG	8	360; 826; 832; 1051; 2838; 2931; 3541; 3946
EsaBC3I	TC!GA	19	615; 628; 641; 869; 919; 1193; 1220; 1688; 2259; 2950; 3223; 3379; 3403; 3439; 3601; 3792; 3837; 4092; 4930
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	26	304; 364; 659; 836; 845; 1055; 1082; 1088; 1100; 1178; 1244; 1324; 1535; 2539; 2679; 2751; 2842; 2983; 3328; 3514; 3545; 3571; 3927; 4311; 5031; 5082
Fail	YA!TR	66	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 657; 778; 834; 843; 1053; 1080; 1086; 1098; 1176; 1242; 1322; 1340; 1533; 1586; 1636; 1771; 1781; 1847; 1892; 2097; 2525; 2537; 2668; 2677; 2740; 2749; 2773; 2840; 2864; 2981; 3045; 3326; 3351; 3512; 3543; 3569; 3641; 3857; 3925; 4003; 4055; 4216; 4233; 4235; 4237; 4309; 4587; 4776; 4892; 4965; 5029; 5080

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FalI	AAGNNNNCTTNNNNNNNNNNNN!	2	1319; 3449
FalI	!NNNNNNNNAAGNNNNNNCTT	2	1287; 3417
FaqI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3260; 3792; 3901
FaqI	!NNNNNNNNNNNNNGTCCC	4	2625; 2697; 2761; 4056
FatI	!CATG	26	300; 360; 655; 832; 841; 1051; 1078; 1084; 1096; 1174; 1240; 1320; 1531; 2535; 2675; 2747; 2838; 2979; 3324; 3510; 3541; 3567; 3923; 4307; 5027; 5078
FauI	CCCGCNNNN!	12	93; 119; 286; 689; 900; 1508; 1610; 2431; 2786; 2807; 4003; 4135
FauI	!NNNNNNGCGGG	6	1545; 2362; 3232; 3769; 3907; 4054
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	0	
FblI	GT!MKAC	2	640; 1630
FmuI	GGNC!C	13	86; 279; 803; 1203; 1446; 1538; 1559; 2219; 3628; 4073; 4119; 4177; 4210
Fnu4HI	GC!NGC	40	734; 752; 755; 960; 963; 1199; 1250; 1394; 1511; 1692; 1753; 1756; 1886; 2405; 2427; 2441; 2879; 3018; 3070; 3081; 3171; 3176; 3213; 3254; 3341; 3344; 3347; 3583; 3679; 3720; 3734; 3848; 4187; 4202; 4413; 4619; 4622; 4687; 4830; 4985
FokI	GGATGNNNNNNNN!	4	2976; 3433; 3458; 3912
FokI	!NNNNNNNNNNNNNCATCC	5	1121; 1209; 1266; 1421; 2782
FriOI	GRGCY!C	5	620; 699; 2300; 3474; 4184
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3211
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	9	592; 1729; 1764; 1958; 2376; 2932; 3947; 4281; 4534
FspEI	CCNNNNNNNNNNNN!	171	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 662; 679; 694; 713; 768; 785; 816; 839; 905; 935; 954; 969; 992; 1007; 1022; 1037; 1051; 1121; 1151; 1168; 1182; 1215; 1229; 1247; 1271; 1286; 1316; 1349; 1376; 1391; 1410; 1446; 1493; 1512; 1527; 1541; 1572; 1595; 1615; 1636; 1682; 1724; 1740; 1769; 1792; 1831; 1845; 1986; 2081; 2105; 2128; 2151; 2169; 2191; 2212; 2231; 2250; 2279; 2300; 2314; 2340; 2428; 2454; 2503; 2544; 2562; 2601; 2617; 2655; 2712; 2727; 2784; 2804; 2818; 2835; 2849; 2886; 2901; 2944; 3027; 3094; 3125; 3145; 3160; 3205; 3219; 3285; 3299; 3318; 3334; 3375; 3395; 3442; 3492; 3508; 3528; 3553; 3573; 3596; 3623; 3641; 3667; 3707; 3733; 3757; 3813; 3827; 3855; 3898; 3919; 3954; 3998; 4086; 4110; 4132; 4152; 4168; 4189; 4203; 4222; 4306; 4326; 4354; 4369; 4403; 4445; 4472; 4487; 4532; 4556; 4570; 4592; 4618; 4638; 4662; 4688; 4736; 4755; 4774; 4800; 4835; 4880; 4910; 4924; 4975; 4989; 5014; 5030; 5051; 5080
FspEI	!NNNNNNNNNNNNNNGG	139	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 628; 678; 702; 744; 771; 799; 819; 865; 917; 952; 981; 1017; 1038; 1056; 1083; 1125; 1146; 1170; 1212; 1231; 1260; 1296; 1333; 1356; 1375; 1405; 1426; 1453; 1492; 1518; 1537; 1609; 1635; 1683; 1722; 1780; 1880; 1949; 1979; 2057; 2106; 2128; 2156; 2192; 2237; 2266; 2302; 2321; 2349; 2369; 2432; 2455; 2563; 2595; 2613; 2642; 2685; 2714; 2825; 2854; 2897; 2918; 2946; 2979; 2999; 3024; 3051; 3076; 3098; 3126; 3152; 3173; 3224; 3245; 3263; 3311; 3347; 3403; 3428; 3452; 3481; 3504; 3528; 3554; 3576; 3595; 3620; 3660; 3696; 3761; 3846; 3870; 3899; 3933; 3954; 3974; 4019; 4046; 4065; 4098; 4150; 4181; 4208; 4260; 4358; 4429; 4474; 4535; 4600; 4634; 4660; 4678; 4714; 4784; 4807; 4829; 4853; 4886; 4934; 4969; 4987; 5044
Fsp4HI	GC!NGC	40	734; 752; 755; 960; 963; 1199; 1250; 1394; 1511; 1692; 1753; 1756; 1886; 2405; 2427; 2441; 2879; 3018; 3070; 3081; 3171; 3176; 3213; 3254; 3341; 3344; 3347; 3583; 3679; 3720; 3734; 3848; 4187; 4202; 4413; 4619; 4622; 4687; 4830; 4985
GdiII	C!GGCCR	3	946; 1753; 3015
GdiII	Y!GGCCG	5	946; 1753; 3015; 3580; 3607
GlaI	GC!GC	29	596; 721; 744; 750; 873; 901; 915; 954; 1028; 2374; 2382; 2408; 2430; 2439; 2452; 2483; 3102; 3110; 3174; 3211; 3477; 3737; 3913; 3999; 4402; 4511; 4685; 4785; 4852
GluI	GC!NGC	40	734; 752; 755; 960; 963; 1199; 1250; 1394; 1511; 1692; 1753; 1756; 1886; 2405; 2427; 2441; 2879; 3018; 3070; 3081; 3171; 3176; 3213; 3254; 3341; 3344; 3347; 3583; 3679; 3720; 3734; 3848; 4187; 4202; 4413; 4619; 4622; 4687; 4830; 4985

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
GsaI	CCCA!C	3	2656; 2728; 4727
GsaI	GCTGG!G	2	1475; 3617
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	3949
GsuI	!NNNNNNNNNNNNNNNNCTCCAG	3	914; 1368; 3892
HaeI	WGG!CCW	10	831; 978; 1008; 1479; 1710; 2930; 3191; 4553; 5005; 5016
HaeII	RGCGC!Y	7	598; 917; 1030; 2376; 2384; 3112; 4787
HaeIII	GG!CC	32	84; 277; 831; 948; 978; 1008; 1201; 1444; 1479; 1513; 1536; 1558; 1668; 1710; 1755; 2075; 2217; 2872; 2878; 2887; 2930; 3017; 3191; 3582; 3609; 4118; 4175; 4208; 4553; 4987; 5005; 5016
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	1784; 3305
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	2	1750; 3271
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	1783; 3304
HaeIV	!NNNNNNNGAYNNNNNNRTC	2	1752; 3273
HapII	C!CGG	20	601; 814; 1041; 1624; 2327; 3014; 3091; 3113; 3141; 3272; 3362; 3429; 3610; 3885; 3893; 3985; 4459; 4649; 4675; 4822
HgaI	GACGCNNNNN!	3	526; 3819; 3898
HgaI	!NNNNNNNNNGCGTC	4	1616; 2442; 4337; 4915
HhaI	GCG!C	29	597; 722; 745; 751; 874; 902; 916; 955; 1029; 2375; 2383; 2409; 2431; 2440; 2453; 2484; 3103; 3111; 3175; 3212; 3478; 3738; 3914; 4000; 4403; 4512; 4686; 4786; 4853
HinI	GR!CGYC	8	122; 175; 258; 444; 1627; 3109; 3811; 3890
HinIII	CATG!	26	304; 364; 659; 836; 845; 1055; 1082; 1088; 1100; 1178; 1244; 1324; 1535; 2539; 2679; 2751; 2842; 2983; 3328; 3514; 3545; 3571; 3927; 4311; 5031; 5082
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	2	1783; 3304
Hin4I	!NNNNNNNNGABNNNNNNRTC	3	1751; 3272; 3302
Hin4I	GABNNNNNRTCNNNNNNNNNNNNN!	3	1783; 3304; 3334
Hin4I	!NNNNNNNNGAYNNNNNVTC	2	1751; 3272
Hin6I	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2373; 2381; 2407; 2429; 2438; 2451; 2482; 3101; 3109; 3173; 3210; 3476; 3736; 3912; 3998; 4401; 4510; 4684; 4784; 4851
HinP1I	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2373; 2381; 2407; 2429; 2438; 2451; 2482; 3101; 3109; 3173; 3210; 3476; 3736; 3912; 3998; 4401; 4510; 4684; 4784; 4851
HincII	GTY!RAC	2	641; 1872
HindII	GTY!RAC	2	641; 1872
HindIII	A!AGCTT	1	622
HinfI	G!ANTC	16	410; 604; 1180; 1330; 1657; 1760; 2152; 2174; 2584; 3594; 3728; 3780; 3838; 3875; 4657; 5053
HpaI	GTT!AAC	1	1872
HpaII	C!CGG	20	601; 814; 1041; 1624; 2327; 3014; 3091; 3113; 3141; 3272; 3362; 3429; 3610; 3885; 3893; 3985; 4459; 4649; 4675; 4822
HphI	GGTGANNNNNNNN!	7	376; 722; 894; 1067; 1436; 4180; 4296
HphI	!NNNNNNNTCACC	5	917; 1004; 1325; 2226; 3287
Hpy8I	GTN!NAC	18	201; 539; 577; 641; 782; 803; 857; 1021; 1112; 1132; 1427; 1631; 1640; 1872; 2156; 2173; 2228; 4715
Hpy99I	CGWCG!	9	645; 1689; 3199; 3227; 3521; 3536; 3813; 4198; 4931
Hpy166II	GTN!NAC	18	201; 539; 577; 641; 782; 803; 857; 1021; 1112; 1132; 1427; 1631; 1640; 1872; 2156; 2173; 2228; 4715
Hpy188I	TCN!GA	16	585; 609; 793; 995; 1139; 1419; 2283; 2892; 3076; 3420; 3773; 3874; 4353; 4487; 4840; 4918
Hpy188III	TC!NNGA	25	613; 842; 941; 1412; 1616; 1764; 2536; 2588; 2901; 2954; 3127; 3443; 3452; 3535; 3591; 3635; 3725; 3758; 3827; 4308; 4382; 4465; 4563; 4661; 4795
HpyAV	CCTTCNNNNNN!	6	1220; 1268; 1313; 3754; 3861; 4540
HpyAV	!NNNNNGAAGG	10	698; 1140; 1512; 2342; 3237; 3966; 3982; 4165; 4482; 4792
HpyCH4III	ACN!GT	15	76; 198; 269; 543; 581; 645; 1109; 2200; 3489; 3605; 3713; 4036; 4527; 4997; 5068
HpyCH4IV	A!CGT	16	122; 134; 175; 258; 339; 444; 1408; 1684; 2169; 2181; 2224; 2334; 3225; 3412; 4193; 4326
HpyCH4V	TG!CA	21	636; 1082; 1132; 1454; 1570; 1858; 1885; 1953; 2670; 2679; 2742; 2751; 2866; 2942; 3001; 3160; 3335; 3349; 4419; 4715; 5082
HpyF3I	C!TNAG	11	606; 715; 1003; 1030; 1606; 2589; 2891; 3772; 4221; 4344; 4753

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HpyF10VI	GCNNNNN!NNGC	34	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1088; 1519; 1533; 2336; 2366; 2393; 2435; 2676; 2748; 2799; 2878; 3100; 3184; 3207; 3346; 3469; 3552; 3819; 4006; 4210; 4409; 4981
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 1627; 3109; 3811; 3890
Hsp92II	CATG!	26	304; 364; 659; 836; 845; 1055; 1082; 1088; 1100; 1178; 1244; 1324; 1535; 2539; 2679; 2751; 2842; 2983; 3328; 3514; 3545; 3571; 3927; 4311; 5031; 5082
HspAI	G!CGC	29	595; 720; 743; 749; 872; 900; 914; 953; 1027; 2373; 2381; 2407; 2429; 2438; 2451; 2482; 3101; 3109; 3173; 3210; 3476; 3736; 3912; 3998; 4401; 4510; 4684; 4784; 4851
KasI	G!GCGCC	1	3108
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	1872
Kzo9I	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	2	3453; 3663
LpnI	RGCI!GCY	7	596; 915; 1028; 2374; 2382; 3110; 4785
LpnPI	CCDGNNNNNNNNN!	66	102; 295; 614; 673; 820; 909; 944; 969; 1037; 1054; 1182; 1239; 1287; 1383; 1398; 1459; 1506; 1527; 1551; 1575; 1637; 1724; 1846; 2151; 2340; 2563; 2601; 2617; 2657; 2712; 2729; 2829; 2914; 3027; 3104; 3126; 3149; 3285; 3299; 3318; 3375; 3442; 3492; 3508; 3565; 3623; 3832; 3898; 3922; 3998; 4087; 4190; 4223; 4454; 4472; 4618; 4638; 4662; 4688; 4737; 4835; 4880; 4910; 4989; 5014; 5051
LpnPI	!NNNNNNNNNNNNNCHGG	58	75; 268; 552; 586; 783; 865; 917; 952; 1026; 1212; 1260; 1356; 1457; 1500; 1609; 1635; 1722; 2192; 2312; 2369; 2432; 2630; 2642; 2702; 2714; 2946; 2991; 3034; 3076; 3098; 3126; 3173; 3235; 3257; 3347; 3414; 3437; 3481; 3576; 3595; 3620; 3769; 3870; 3913; 3970; 4060; 4163; 4190; 4208; 4444; 4481; 4634; 4660; 4800; 4818; 4853; 4934; 4987
Lsp1109I	GCAGCNNNNNNNN!	9	763; 1261; 1703; 1897; 3182; 3224; 3745; 4198; 4698
Lsp1109I	!NNNNNNNNNNNGCTGC	8	946; 1380; 2391; 3056; 3240; 3333; 4399; 4605
LweI	GCATCNNNNN!	9	847; 883; 1288; 1925; 2688; 2760; 3408; 3472; 3747
LweI	!NNNNNNNNNGATGC	7	357; 1441; 1609; 3067; 3322; 3538; 4930
MabI	A!CCWGGT	1	2698
MaeI	C!TAG	9	592; 1729; 1764; 1958; 2376; 2932; 3947; 4281; 4534
MaeII	A!CGT	16	122; 134; 175; 258; 339; 444; 1408; 1684; 2169; 2181; 2224; 2334; 3225; 3412; 4193; 4326
MaeIII	!GTNAC	14	61; 148; 497; 710; 1331; 1897; 2398; 2410; 3229; 3535; 4225; 4491; 4607; 4670
MalI	GA!TC	24	587; 611; 939; 1036; 1416; 1566; 1592; 1768; 2948; 2952; 2971; 3282; 3360; 3441; 3450; 3528; 3904; 3920; 4279; 4291; 4369; 4377; 4388; 4463
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2533; 3722
MbiI	GAG!CGG	3	1752; 2369; 3776
MboI	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
MboII	GAAGANNNNNNNN!	10	737; 1356; 1469; 1589; 1657; 2365; 2593; 3470; 3680; 4299
MboII	!NNNNNNNTCTTC	4	3760; 3927; 4127; 4370
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	1859
MfII	R!GATCY	12	585; 609; 937; 1034; 1590; 3280; 3526; 3918; 4277; 4289; 4375; 4386
MhII	GDGCH!C	14	620; 699; 1107; 1134; 1167; 1744; 2300; 3055; 3148; 3222; 3412; 3474; 4184; 4717
MIsI	TGG!CCA	3	978; 1710; 3191
MluI	A!CGCGT	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MluNI	TGG!CCA	3	978; 1710; 3191
MlyI	GAGTCNNNNN!	3	1339; 2161; 2593
MlyI	!NNNNNGACTC	6	404; 598; 1754; 2168; 3774; 4651
Mly113I	GG!CGCC	1	3109
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	2	1462; 2202
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	2	4634; 4818
MnII	CCTCNNNNNNN!	14	938; 1213; 1392; 1407; 1490; 1623; 1734; 1828; 2892; 3710; 3916; 4230; 4600; 4924
MnII	!NNNNNGAGG	24	541; 878; 989; 1094; 1133; 1154; 1187; 1304; 1413; 1469; 1658; 1691; 1788; 2253; 2584; 2862; 2905; 2920; 2960; 3024; 3160; 3517; 3947; 4850
Mph1103I	ATGCA!T	3	2681; 2753; 5084
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	0	
MroNI	G!CCGGC	3	2326; 3609; 3892
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	3	978; 1710; 3191
MseI	T!TAA	17	7; 1069; 1294; 1810; 1871; 1992; 2013; 2024; 2036; 2047; 2064; 2162; 2433; 4252; 4266; 4271; 4323
MslI	CAYNN!NNRTG	5	365; 777; 1053; 1083; 3546
MspI	C!CGG	20	601; 814; 1041; 1624; 2327; 3014; 3091; 3113; 3141; 3272; 3362; 3429; 3610; 3885; 3893; 3985; 4459; 4649; 4675; 4822
Msp20I	TGG!CCA	3	978; 1710; 3191
MspA1I	CMG!CKG	5	1503; 2607; 3215; 4444; 4689
MspCI	C!TTAAG	1	1991
MspJI	CNNRRNNNNNNNN!	261	36; 50; 71; 97; 113; 127; 147; 167; 219; 236; 251; 290; 306; 319; 332; 352; 373; 407; 424; 449; 481; 500; 523; 548; 574; 596; 613; 627; 640; 668; 682; 698; 712; 727; 749; 762; 797; 810; 826; 839; 854; 881; 904; 923; 943; 962; 978; 991; 1006; 1027; 1042; 1064; 1077; 1091; 1109; 1139; 1157; 1172; 1187; 1205; 1238; 1253; 1281; 1296; 1320; 1333; 1349; 1367; 1381; 1397; 1410; 1424; 1445; 1458; 1479; 1498; 1512; 1526; 1540; 1557; 1574; 1595; 1614; 1628; 1655; 1673; 1693; 1707; 1723; 1740; 1755; 1769; 1782; 1797; 1816; 1833; 1846; 1887; 1901; 1914; 1932; 1970; 1985; 2003; 2044; 2068; 2088; 2106; 2127; 2150; 2182; 2197; 2219; 2237; 2250; 2271; 2288; 2301; 2314; 2330; 2343; 2373; 2388; 2413; 2431; 2444; 2459; 2483; 2497; 2521; 2546; 2562; 2600; 2616; 2655; 2669; 2683; 2711; 2727; 2741; 2755; 2784; 2797; 2818; 2827; 2849; 2879; 2895; 2913; 2943; 2966; 2990; 3014; 3033; 3061; 3087; 3103; 3116; 3139; 3153; 3173; 3186; 3200; 3219; 3233; 3246; 3262; 3277; 3290; 3306; 3321; 3337; 3362; 3381; 3397; 3410; 3423; 3441; 3455; 3469; 3485; 3507; 3523; 3542; 3564; 3580; 3603; 3622; 3636; 3652; 3666; 3686; 3702; 3715; 3737; 3770; 3784; 3804; 3817; 3831; 3885; 3898; 3921; 3934; 3953; 3970; 3997; 4033; 4066; 4085; 4110; 4131; 4158; 4171; 4188; 4202; 4217; 4233; 4293; 4318; 4334; 4356; 4369; 4383; 4414; 4428; 4453; 4471; 4486; 4499; 4518; 4531; 4546; 4575; 4594; 4612; 4637; 4652; 4671; 4687; 4706; 4724; 4740; 4754; 4773; 4800; 4823; 4845; 4864; 4879; 4892; 4909; 4929; 4956; 4969; 4988; 5013; 5036; 5050; 5063; 5080

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNGG	215	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 593; 612; 642; 661; 687; 723; 744; 763; 784; 807; 828; 853; 870; 897; 917; 936; 953; 970; 990; 1010; 1027; 1047; 1065; 1083; 1113; 1137; 1155; 1179; 1198; 1220; 1260; 1281; 1307; 1327; 1356; 1398; 1432; 1453; 1473; 1500; 1518; 1535; 1553; 1581; 1602; 1621; 1647; 1669; 1692; 1715; 1735; 1761; 1790; 1819; 1861; 1944; 1979; 2006; 2029; 2058; 2102; 2124; 2156; 2192; 2209; 2230; 2267; 2287; 2304; 2321; 2356; 2374; 2392; 2409; 2433; 2455; 2482; 2510; 2536; 2574; 2595; 2612; 2630; 2653; 2674; 2702; 2725; 2746; 2764; 2785; 2802; 2825; 2849; 2869; 2887; 2909; 2940; 2962; 2988; 3007; 3024; 3052; 3071; 3090; 3108; 3126; 3147; 3169; 3193; 3226; 3246; 3264; 3285; 3311; 3338; 3355; 3372; 3389; 3415; 3437; 3459; 3477; 3497; 3516; 3538; 3576; 3596; 3620; 3640; 3660; 3687; 3711; 3744; 3763; 3791; 3813; 3842; 3870; 3895; 3914; 3933; 3954; 3971; 3988; 4019; 4046; 4066; 4089; 4109; 4146; 4163; 4182; 4208; 4228; 4267; 4294; 4313; 4331; 4368; 4386; 4427; 4445; 4471; 4488; 4520; 4549; 4577; 4598; 4621; 4640; 4661; 4679; 4696; 4714; 4740; 4761; 4781; 4801; 4819; 4840; 4866; 4883; 4902; 4921; 4950; 4969; 4987; 5006; 5024; 5042; 5065
MspR9I	CC!NGG	24	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 1624; 2645; 2700; 2717; 3113; 3273; 3496; 3886; 4075; 4178; 4650; 4868; 4881; 5002
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1859
MvaI	CC!WGG	19	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 2645; 2700; 2717; 3496; 4075; 4178; 4868; 4881; 5002
Mva1269I	GAATGCN!	1	1860
Mva1269I	G!CATTC	1	1953
MvnI	CG!CG	15	60; 1758; 2033; 2409; 2429; 2453; 2484; 3175; 3476; 3914; 3998; 4061; 4130; 4403; 4984
MvrI	CGAT!CG	0	
MwoI	GCNNNN!NNGC	34	90; 212; 244; 283; 376; 400; 675; 742; 763; 885; 959; 984; 1088; 1519; 1533; 2336; 2366; 2393; 2435; 2676; 2748; 2799; 2878; 3100; 3184; 3207; 3346; 3469; 3552; 3819; 4006; 4210; 4409; 4981
NaeI	GCC!GGC	3	2328; 3611; 3894
NarI	GG!CGCC	1	3109
NciI	CC!SGG	5	1624; 3113; 3273; 3886; 4650
NcoI	C!CATGG	5	360; 832; 1051; 2838; 3541
NdeI	CA!TATG	1	234
NdeII	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
NgoAVIII	GACNNNNNTGANNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	1171
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	1207
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	3	2326; 3609; 3892
NheI	G!CTAGC	1	591
NlaIII	CATG!	26	304; 364; 659; 836; 845; 1055; 1082; 1088; 1100; 1178; 1244; 1324; 1535; 2539; 2679; 2751; 2842; 2983; 3328; 3514; 3545; 3571; 3927; 4311; 5031; 5082
NlaIV	GGN!NCC	20	467; 647; 698; 1036; 1106; 1166; 1557; 2264; 2285; 2297; 2488; 2649; 2721; 3110; 3145; 3993; 4072; 4117; 4960; 4999
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	5	947; 1034; 1941; 2256; 3848
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 1431; 4920
Nlj3877I	CYCGR!G	2	617; 1312
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	2898; 3334
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1447; 2863
NmeDI	RCCGGYNNNNNNN!	6	825; 1052; 2338; 3440; 3621; 3904
NmeDI	!NNNNNNNNNNNNRCCGGY	6	800; 1027; 2313; 3415; 3596; 3879
NmuCI	!GTSAC	5	710; 1331; 2398; 3229; 3535
NotI	GC!GGCCGC	1	1753
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3211
NsiI	ATGCA!T	3	2681; 2753; 5084
NspI	RCATG!Y	5	1082; 2679; 2751; 3514; 5031

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NspV	TT!CGAA	2	627; 3791
OliI	CACNN!NNGTG	1	1053
PabI	GTA!C	14	220; 245; 300; 333; 384; 541; 648; 784; 1002; 1021; 1096; 1246; 1498; 3416
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2679; 2751; 3514
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	3	841; 2535; 4307
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	1274; 4074; 4177
PauI	G!CGCGC	0	
PceI	AGG!CCT	2	1479; 2930
PciI	A!CATGT	1	5027
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	2	3453; 3663
PcsI	WCGNNNN!NNNCGW	9	865; 991; 1693; 3403; 3480; 3723; 3797; 4190; 4708
PctI	GAATGCN!	1	1860
PctI	G!CATTC	1	1953
PdiI	GCC!GGC	3	2328; 3611; 3894
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	7	1180; 1657; 3594; 3728; 3838; 3875; 5053
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3227
PfIMI	CCANNNN!NTGG	0	
PfoI	T!CCNGGA	2	1384; 3884
PhoI	GG!CC	32	84; 277; 831; 948; 978; 1008; 1201; 1444; 1479; 1513; 1536; 1558; 1668; 1710; 1755; 2075; 2217; 2872; 2878; 2887; 2930; 3017; 3191; 3582; 3609; 4118; 4175; 4208; 4553; 4987; 5005; 5016
PinAI	A!CCGGT	1	1040
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNNNNNN!	1	3490
PlaDI	!NNNNNNNNNNNNNNNNNNNNNNNNCTGATG	2	3055; 3310
PleI	GAGTCNNNN!	3	1338; 2160; 2592
PleI	!NNNNNGACTC	6	404; 598; 1754; 2168; 3774; 4651
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNNNN!	1	2191
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	4321
PpiI	GAGNNNNNGTTCNNNNNNNNNNNNNN!	1	4353
PpiI	!NNNNNNNGAACNNNNNCTC	1	2159
PpsI	GAGTCNNNN!	3	1338; 2160; 2592
PpsI	!NNNNNGACTC	6	404; 598; 1754; 2168; 3774; 4651
Ppu10I	A!TGCAT	3	2677; 2749; 5080
Ppu21I	YAC!GTR	3	340; 2225; 3413
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	5027
PshAI	GACNN!NNGTC	1	1683
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	1892; 2097
Psp03I	GGWC!C	3	803; 3628; 4073
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	19	88; 281; 895; 930; 965; 1225; 1273; 1369; 1384; 1513; 2643; 2698; 2715; 3494; 4073; 4176; 4866; 4879; 5000
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; 1225; 1273; 1369; 1384; 1513; 2643; 2698; 2715; 3494; 4073; 4176; 4866; 4879; 5000
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	20	467; 647; 698; 1036; 1106; 1166; 1557; 2264; 2285; 2297; 2488; 2649; 2721; 3110; 3145; 3993; 4072; 4117; 4960; 4999
PspOMI	G!GGCCC	0	
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNNNN!	3	125; 2839; 3838



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3241
PspPI	G!GNCC	13	83; 276; 800; 1200; 1443; 1535; 1556; 2216; 3625; 4070; 4116; 4174; 4207
PspPPI	RG!GWCCY	0	
PspPRI	CCYAGNNNNNNNNNNNNNNNN!	3	2662; 2734; 4240
PspPRI	!NNNNNNNNNNNNNNCTGRGG	4	953; 1723; 2575; 3770
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	1	4210
PstI	CTGCA!G	1	638
PstNI	CAGNNN!CTG	3	1717; 4210; 4618
PsuI	R!GATCY	12	585; 609; 937; 1034; 1590; 3280; 3526; 3918; 4277; 4289; 4375; 4386
PsyI	GACN!NNGTC	1	3227
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	2607; 3215
RcaI	T!CATGA	3	841; 2535; 4307
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	1	3624
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	1	1838
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	14	219; 244; 299; 332; 383; 540; 647; 783; 1001; 1020; 1095; 1245; 1497; 3415
RsaNI	G!TAC	14	218; 243; 298; 331; 382; 539; 646; 782; 1000; 1019; 1094; 1244; 1496; 3414
RseI	CAYNN!NNRTG	5	365; 777; 1053; 1083; 3546
RsrII	CG!GWCCG	1	3625
Rsr2I	CG!GWCCG	1	3625
SacI	GAGCT!C	1	620
SacII	CCGC!GG	0	
SalI	G!TCGAC	1	639
SapI	GCTCTCN!	0	
SapI	!NNNNGAAGAGC	2	3453; 3663
SaqAI	T!TAA	17	7; 1069; 1294; 1810; 1871; 1992; 2013; 2024; 2036; 2047; 2064; 2162; 2433; 4252; 4266; 4271; 4323
SatI	GC!NGC	40	734; 752; 755; 960; 963; 1199; 1250; 1394; 1511; 1692; 1753; 1756; 1886; 2405; 2427; 2441; 2879; 3018; 3070; 3081; 3171; 3176; 3213; 3254; 3341; 3344; 3347; 3583; 3679; 3720; 3734; 3848; 4187; 4202; 4413; 4619; 4622; 4687; 4830; 4985
Sau96I	G!GNCC	13	83; 276; 800; 1200; 1443; 1535; 1556; 2216; 3625; 4070; 4116; 4174; 4207
Sau3AI	!GATC	24	585; 609; 937; 1034; 1414; 1564; 1590; 1766; 2946; 2950; 2969; 3280; 3358; 3439; 3448; 3526; 3902; 3918; 4277; 4289; 4367; 4375; 4386; 4461
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	1339; 2161; 2593
SchI	!NNNNNGACTC	6	404; 598; 1754; 2168; 3774; 4651
SciI	CTC!GAG	1	615
ScrFI	CC!NGG	24	90; 283; 897; 932; 967; 1227; 1275; 1371; 1386; 1515; 1624; 2645; 2700; 2717; 3113; 3273; 3496; 3886; 4075; 4178; 4650; 4868; 4881; 5002
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	7	749; 1481; 1669; 2687; 2759; 2928; 4870
SdeAI	!NNNNNNNNNNNNNNNNNNCTYCTG	2	3264; 3749

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	14	620; 699; 1107; 1134; 1167; 1744; 2300; 3055; 3148; 3222; 3412; 3474; 4184; 4717
SelI	!CGCG	15	58; 1756; 2031; 2407; 2427; 2451; 2482; 3173; 3474; 3912; 3996; 4059; 4128; 4401; 4982
SetI	ASST!	68	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 768; 790; 802; 884; 930; 1066; 1093; 1239; 1260; 1411; 1546; 1564; 1615; 1683; 1687; 1702; 1726; 1799; 1820; 1829; 1841; 1890; 2057; 2172; 2184; 2227; 2264; 2314; 2337; 2461; 2609; 2704; 2897; 3010; 3138; 3217; 3228; 3300; 3371; 3415; 3675; 3821; 3865; 4196; 4227; 4286; 4329; 4472; 4493; 4592; 4729; 4744; 4763; 4775; 4819; 4865; 4916
SexAI	A!CCWGGT	1	2698
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	9	847; 883; 1288; 1925; 2688; 2760; 3408; 3472; 3747
SfaNI	!NNNNNNNNNGATGC	7	357; 1441; 1609; 3067; 3322; 3538; 4930
SfcI	C!TRYAG	4	634; 2444; 4571; 4762
SfiI	GGCCNNNN!NGGCC	1	2884
SfoI	GGC!GCC	1	3110
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	2	627; 3791
SgeI	CNNGNNNNNNNN!	203	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; 1073; 1091; 1109; 1139; 1163; 1181; 1196; 1238; 1253; 1286; 1320; 1333; 1361; 1382; 1397; 1424; 1458; 1479; 1499; 1512; 1526; 1544; 1557; 1574; 1607; 1628; 1662; 1700; 1723; 1741; 1769; 1816; 1845; 1887; 1970; 2044; 2128; 2150; 2182; 2219; 2237; 2256; 2271; 2313; 2330; 2347; 2382; 2396; 2413; 2435; 2459; 2483; 2548; 2562; 2600; 2616; 2656; 2669; 2688; 2711; 2728; 2741; 2760; 2790; 2811; 2828; 2851; 2886; 2913; 2944; 2966; 2992; 3014; 3033; 3061; 3097; 3116; 3139; 3153; 3173; 3186; 3200; 3219; 3233; 3252; 3284; 3298; 3311; 3337; 3368; 3381; 3398; 3415; 3429; 3446; 3464; 3479; 3507; 3523; 3542; 3564; 3580; 3603; 3622; 3647; 3666; 3686; 3713; 3737; 3770; 3789; 3817; 3831; 3897; 3921; 3936; 3959; 3980; 3997; 4045; 4072; 4086; 4115; 4139; 4172; 4189; 4209; 4222; 4235; 4293; 4320; 4339; 4369; 4394; 4414; 4428; 4453; 4471; 4508; 4546; 4575; 4603; 4617; 4637; 4652; 4673; 4687; 4706; 4724; 4740; 4780; 4800; 4827; 4845; 4866; 4879; 4892; 4909; 4933; 4956; 4988; 5013; 5040; 5062
SgeI	!NNNNNNNNNNNNCNG	178	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; 1047; 1065; 1083; 1113; 1137; 1155; 1179; 1212; 1260; 1294; 1335; 1356; 1398; 1432; 1453; 1473; 1500; 1518; 1539; 1560; 1581; 1602; 1636; 1674; 1697; 1715; 1743; 1790; 1819; 1861; 1944; 2018; 2102; 2124; 2156; 2193; 2211; 2230; 2287; 2304; 2321; 2356; 2374; 2394; 2414; 2433; 2457; 2522; 2574; 2630; 2662; 2685; 2702; 2734; 2764; 2785; 2802; 2825; 2860; 2887; 2918; 2940; 2966; 2988; 3007; 3035; 3071; 3090; 3113; 3134; 3152; 3169; 3193; 3226; 3258; 3285; 3311; 3342; 3372; 3389; 3415; 3438; 3459; 3481; 3501; 3521; 3538; 3577; 3596; 3621; 3640; 3660; 3687; 3711; 3744; 3763; 3791; 3813; 3871; 3895; 3914; 3933; 3954; 3971; 4019; 4046; 4066; 4089; 4113; 4146; 4163; 4183; 4209; 4267; 4294; 4313; 4343; 4368; 4388; 4427; 4445; 4482; 4520; 4549; 4577; 4598; 4626; 4647; 4680; 4698; 4754; 4774; 4801; 4819; 4840; 4866; 4883; 4907; 4930; 4962; 4987; 5014; 5036; 5065
Sgfl	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 2256; 4043; 4836
SimI	!GACCC	5	106; 1489; 3537; 4105; 4353

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SinI	G!GWCC	3	800; 3625; 4070
SlaI	C!TCGAG	1	613
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	5	365; 777; 1053; 1083; 3546
SmlI	C!TYRAG	8	613; 619; 1614; 1991; 3500; 4382; 4659; 4921
SmoI	C!TYRAG	8	613; 619; 1614; 1991; 3500; 4382; 4659; 4921
SmuI	CCCGCNNNN!	12	93; 119; 286; 689; 900; 1508; 1610; 2431; 2786; 2807; 4003; 4135
SmuI	!NNNNNNGCGGG	6	1545; 2362; 3232; 3769; 3907; 4054
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2679; 2751; 3514
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	12	18; 629; 845; 1859; 1923; 2001; 2027; 2038; 2685; 2757; 2849; 4267
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	2	1479; 2930
SsiI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 649; 682; 755; 893; 1363; 1501; 1603; 1756; 2424; 2427; 2441; 2531; 2779; 2791; 2800; 2812; 2822; 2833; 2879; 3018; 3081; 3583; 3628; 3694; 3720; 3845; 3848; 3996; 4128; 4435; 4579; 5075
SsiI	G!CGG	30	370; 403; 528; 708; 733; 1188; 1198; 1510; 1552; 1752; 2369; 2396; 2484; 2594; 3175; 3239; 3340; 3343; 3623; 3678; 3776; 3914; 4061; 4201; 4444; 4689; 4810; 4829; 4956; 4984
SspI	AAT!ATT	2	2017; 2570
SspDI	G!GCGCC	1	3108
SspD5I	GGTGANNNNNNNN!	7	376; 722; 894; 1067; 1436; 4180; 4296
SspD5I	!NNNNNNNNNTCACC	5	916; 1003; 1324; 2225; 3286
SstI	GAGCT!C	1	620
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNNNN!	1	1369
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	22	92; 118; 285; 688; 899; 1291; 1315; 1507; 1609; 1630; 2308; 2430; 2785; 2806; 3119; 3522; 3661; 3732; 4002; 4134; 4364; 4802
Sth132I	!NNNNNNNNCNGGG	20	15; 407; 470; 1340; 1544; 2309; 2361; 2462; 3189; 3231; 3264; 3768; 3877; 3906; 4053; 4157; 4188; 4641; 4685; 4893
Sth302II	CC!GG	20	602; 815; 1042; 1625; 2328; 3015; 3092; 3114; 3142; 3273; 3363; 3430; 3611; 3886; 3894; 3986; 4460; 4650; 4676; 4823
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNNN!	4	2977; 3434; 3459; 3913
StsI	!NNNNNNNNNNNNNNCATCC	5	1120; 1208; 1265; 1420; 2781
StuI	AGG!CCT	2	1479; 2930
StyI	C!CWWGG	8	360; 826; 832; 1051; 2838; 2931; 3541; 3946
StyD4I	!CCNGG	24	88; 281; 895; 930; 965; 1225; 1273; 1369; 1384; 1513; 1622; 2643; 2698; 2715; 3111; 3271; 3494; 3884; 4073; 4176; 4648; 4866; 4879; 5000
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	15	76; 198; 269; 543; 581; 645; 1109; 2200; 3489; 3605; 3713; 4036; 4527; 4997; 5068
TaiI	ACGT!	16	125; 137; 178; 261; 342; 447; 1411; 1687; 2172; 2184; 2227; 2337; 3228; 3415; 4196; 4329
TaqI	T!CGA	19	614; 627; 640; 868; 918; 1192; 1219; 1687; 2258; 2949; 3222; 3378; 3402; 3438; 3600; 3791; 3836; 4091; 4929
TaqII	GACCGANNNNNNNNNN!	3	2129; 3146; 3814
TaqII	!NNNNNNNNNTCGGTC	1	4058
TaqII	CACCCANNNNNNNNNN!	2	1182; 1287
TaqII	!NNNNNNNNNTGGGTG	3	172; 3013; 3605
TasI	!AATT	12	18; 629; 845; 1859; 1923; 2001; 2027; 2038; 2685; 2757; 2849; 4267
TatI	W!GTACW	7	217; 297; 330; 381; 781; 1018; 1093
TauI	GCSG!C	21	736; 757; 1201; 1513; 1755; 1758; 2429; 2443; 2881; 3020; 3083; 3178; 3343; 3346; 3585; 3681; 3722; 3850; 4204; 4832; 4987
TfiI	G!AWTC	7	1180; 1657; 3594; 3728; 3838; 3875; 5053

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TliI	C!TCGAG	1	613
TruI	T!TAA	17	7; 1069; 1294; 1810; 1871; 1992; 2013; 2024; 2036; 2047; 2064; 2162; 2433; 4252; 4266; 4271; 4323
Tru9I	T!TAA	17	7; 1069; 1294; 1810; 1871; 1992; 2013; 2024; 2036; 2047; 2064; 2162; 2433; 4252; 4266; 4271; 4323
TscAI	CASTGNN!	5	1955; 3238; 4348; 4619; 4632
TseI	G!CWGC	19	751; 959; 962; 1249; 1393; 1691; 1885; 2404; 3069; 3170; 3212; 3253; 3346; 3733; 4186; 4412; 4618; 4621; 4686
TsoI	TARCCANNNNNNNNNNN!	2	2081; 2428
TsoI	!NNNNNNNNNTGGYTA	3	1218; 1886; 3638
Tsp45I	!GTSAC	5	710; 1331; 2398; 3229; 3535
Tsp509I	!AATT	12	18; 629; 845; 1859; 1923; 2001; 2027; 2038; 2685; 2757; 2849; 4267
TspDTI	ATGAANNNNNNNNNNN!	5	858; 1101; 1867; 3168; 3872
TspDTI	!NNNNNNNNNTTCAT	6	26; 1229; 1250; 3586; 4042; 4249
TspEI	!AATT	12	18; 629; 845; 1859; 1923; 2001; 2027; 2038; 2685; 2757; 2849; 4267
TspGWI	ACGGANNNNNNNNNNN!	1	3984
TspGWI	!NNNNNNNNNTCCGT	0	
TspMI	C!CCGGG	0	
TspRI	CASTGNN!	5	1955; 3238; 4348; 4619; 4632
TstI	CACNNNNNTCCNNNNNNNNNN!	1	1007
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNN!	0	
TstI	!NNNNNNNCACNNNNNTCC	1	975
Tth111I	GACN!NNGTC	1	3227
Tth111II	CAARCANNNNNNNNNNN!	2	996; 4436
Tth111III	!NNNNNNNNNTGYTTG	3	3544; 4404; 4443
UnbI	!GGNCC	13	82; 275; 799; 1199; 1442; 1534; 1555; 2215; 3624; 4069; 4115; 4173; 4206
Van9II	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	1	1991
VneI	G!TGCAC	2	1130; 4713
VpaK11AI	!GGWCC	3	799; 3624; 4069
VpaK11BI	G!GWCC	3	800; 3625; 4070
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	5	629; 845; 1923; 2027; 2038
XbaI	T!CTAGA	1	1763
XceI	RCATG!Y	5	1082; 2679; 2751; 3514; 5031
XcmI	CCANNNNN!NNNTGG	0	
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	12	585; 609; 937; 1034; 1590; 3280; 3526; 3918; 4277; 4289; 4375; 4386
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	2	2931; 3946
XmiI	GT!MKAC	2	640; 1630
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	9	592; 1729; 1764; 1958; 2376; 2932; 3947; 4281; 4534
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2681; 2753; 5084