

## pTagRFP-profilin vector

### Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	1925; 2130
AarI	CACCTGCNNNN!	1	1763
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	2213; 3169; 4958
AatI	AGG!CCT	1	2963
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	1199
AccII	CG!CG	16	60; 1411; 2030; 2066; 2442; 2462; 2486; 2517; 3208; 3509; 3947; 4031; 4094; 4163; 4436; 5017
AccIII	T!CCGGA	1	1324
Acc16I	TGC!GCA	1	3244
Acc36I	ACCTGCNNNN!	3	1763; 3410; 3860
Acc36I	!NNNNNNNNGCAGGT	1	3029
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	6	465; 673; 733; 2295; 3141; 3176
AccB7I	CCANNNN!NTGG	1	1218
AccBSI	CCG!CTC	2	2566; 3755
AccBSI	GAG!CGG	2	2402; 3809
AceIII	CAGCTCNNNNNNN!	1	2098
AceIII	!NNNNNNNNNNGAGCTG	2	552; 619
AciI	C!CGC	35	58; 86; 98; 112; 279; 507; 589; 932; 1070; 1172; 1451; 2457; 2460; 2474; 2564; 2812; 2824; 2833; 2845; 2855; 2866; 2912; 3051; 3114; 3616; 3661; 3727; 3753; 3878; 3881; 4029; 4161; 4468; 4612; 5108
AciI	G!CGG	29	370; 403; 528; 767; 1079; 1121; 1390; 1411; 1758; 2402; 2429; 2517; 2627; 3208; 3272; 3373; 3376; 3656; 3711; 3809; 3947; 4094; 4234; 4477; 4722; 4843; 4862; 4989; 5017
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	10	1619; 1785; 1794; 3010; 3321; 3567; 3959; 4318; 4416; 4502
AclWI	!NNNNNGATCC	8	580; 1154; 1566; 1772; 3386; 3930; 4317; 4414
AcOI	Y!GGCCR	7	1277; 1355; 1412; 3048; 3222; 3613; 3640
AcsI	R!AATTY	4	1600; 1956; 2060; 2071
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	3	1129; 3288; 3720
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	4518
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	8	122; 175; 258; 444; 1196; 3142; 3844; 3923
AdeI	CACNNN!GTG	2	1269; 2258
AfaI	GT!AC	12	219; 244; 299; 332; 383; 540; 664; 814; 1066; 1620; 1771; 3448
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	26	49; 730; 843; 1009; 1075; 1218; 1358; 1389; 1445; 1460; 1692; 2154; 2480; 2872; 3123; 3667; 3948; 3980; 4112; 4147; 4197; 4229; 4582; 4861; 5027; 5045
AfIII	C!TTAAG	0	
AfIII	A!CRYGT	2	2028; 5060
AgeI	A!CCGGT	2	600; 1517
AgsI	TTS!AA	8	696; 1146; 1650; 2553; 2597; 2607; 3020; 4596
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	17	88; 281; 794; 842; 938; 953; 1082; 1502; 2676; 2731; 2748; 3527; 4106; 4209; 4899; 4912; 5033
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	1	613
AlfI	GCANNNNNTGCNNNNNNNNNNNN!	2	2716; 2788
AlfI	!NNNNNNNNNNGCANNNNNTGC	2	2682; 2754
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	2	1020; 2224
AloI	!NNNNNNNGGANNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	2	988; 2192
AluI	AG!CT	19	566; 633; 660; 806; 1113; 1342; 1348; 1489; 1921; 2088; 2345; 2640; 2928; 3248; 3706; 4503; 4760; 4806; 4896
AluBI	AG!CT	19	566; 633; 660; 806; 1113; 1342; 1348; 1489; 1921; 2088; 2345; 2640; 2928; 3248; 3706; 4503; 4760; 4806; 4896
AlwI	GGATCNNNN!	10	1619; 1785; 1794; 3010; 3321; 3567; 3959; 4318; 4416; 4502
AlwI	!NNNNNGATCC	8	580; 1154; 1566; 1772; 3386; 3930; 4317; 4414
Alw21I	GWGCW!C	6	703; 1344; 1630; 3255; 3445; 4750
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	5	1240; 2566; 2984; 4003; 4131
Alw44I	G!TGCAC	2	699; 4746
AlwNI	CAGNNN!CTG	3	1286; 4243; 4651
Ama87I	C!YCGRG	2	1337; 1459
Aor13HI	T!CCGGA	1	1324
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	3	2710; 2782; 4244
ApaLI	G!TGCAC	2	699; 4746
ApeKI	G!CWGC	17	818; 962; 1260; 1587; 1918; 2437; 3102; 3203; 3245; 3286; 3379; 3766; 4219; 4445; 4651; 4654; 4719
ApoI	R!AATTY	4	1600; 1956; 2060; 2071
ApyPI	ATCGACNNNNNNNNNNNNNNNNNNNN!	2	1400; 3657
ApyPI	!NNNNNNNNNNNNNNNNNNGTCGAT	3	3451; 4104; 4942
AquII	GCCGNACNNNNNNNNNNNNNNNNNNNN!	1	3541
AquII	!NNNNNNNNNNNNNNNNNNGTNCGGC	1	794
AquIII	GAGGAGNNNNNNNNNNNNNNNNNNNN!	2	1659; 2970
AquIII	!NNNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNNCTCCYC	1	3712
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNNGTC	1	1691
ArsI	CRAANNNNNNGTCNNNNNNNNNNNN!	1	1723
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	27	586; 984; 1134; 1160; 1334; 1572; 1612; 1722; 1778; 1787; 1800; 2980; 2984; 3003; 3314; 3392; 3473; 3482; 3560; 3936; 3952; 4311; 4323; 4401; 4409; 4420; 4495
AsiGI	A!CCGGT	2	600; 1517
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3260
Asp700I	GAANN!NNTTC	1	1468
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	2964; 3979
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	21	597; 2408; 2416; 2442; 2464; 2473; 2486; 2517; 3136; 3144; 3208; 3245; 3511; 3771; 3947; 4033; 4436; 4545; 4719; 4819; 4886
AspS9I	G!GNCC	16	83; 276; 769; 1012; 1104; 1125; 1209; 1397; 1448; 1554; 2249; 3658; 4103; 4149; 4207; 4240
AssI	AGT!ACT	1	1771
AsuII	TT!CGAA	1	3824
AsuC2I	CC!SGG	9	1193; 1359; 1460; 1461; 1576; 3146; 3306; 3919; 4683
AsuHPI	GGTGANNNNNNNN!	4	376; 1005; 4213; 4329
AsuHPI	!NNNNNNNTCACC	5	894; 1653; 1744; 2259; 3320
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	2	1337; 1459
AvaII	G!GWCC	4	1209; 1397; 3658; 4103
AviII	TGC!GCA	1	3244

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AvrII	C!CTAGG	2	2964; 3979
AxyI	CC!TNAGG	3	878; 2622; 4254
BaeI	ACNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	7	676; 703; 736; 1313; 3088; 3181; 4750
BalI	TGG!CCA	2	1279; 3224
BamHI	G!GATCC	1	1777
BanI	G!GYRCC	6	465; 673; 733; 2295; 3141; 3176
BanII	GRGCY!C	5	1344; 1641; 2333; 3507; 4217
BanIII	AT!CGAT	1	2982
BarI	GAAGNNNNNTACNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	0	
BasI	CCANNNN!NTGG	1	1218
BauI	C!ACGAG	3	1264; 3860; 4887
BauI	C!TCGTG	2	1114; 3734
BbeI	GGCGC!C	1	3145
Bbr7I	GAAGACNNNNNN!	2	925; 1476
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	2	920; 1471
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	2712; 2784; 3547
BbvI	GCAGCNNNNNNNN!	8	830; 1272; 1930; 3215; 3257; 3778; 4231; 4731
BbvI	!NNNNNNNNNNNGCTGC	8	949; 1574; 2424; 3089; 3273; 3366; 4432; 4638
Bbv12I	GWGCW!C	6	703; 1344; 1630; 3255; 3445; 4750
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	1	1490
BccI	CCATCNNNN!	6	1011; 1423; 2272; 2836; 3362; 3864
BccI	!NNNNNGATGG	4	1686; 2240; 3020; 3448
BceAI	ACGGCNNNNNNNNNN!	6	831; 975; 1026; 1092; 3568; 4055
BceAI	!NNNNNNNNNNNGCCGT	4	1438; 2283; 3101; 4560
BceFI	ACGGCNNNNNNNNNN!	6	831; 975; 1026; 1092; 3568; 4055
BceFI	!NNNNNNNNNNNGCCGT	4	1439; 2284; 3102; 4561
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNTCG	0	
BcgI	GCANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2571; 3361; 4862
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	2	1721; 1799
BcnI	CC!SGG	9	1193; 1359; 1460; 1461; 1576; 3146; 3306; 3919; 4683
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNNTCANNNNNNNNN!	2	1822; 4995
BdaI	!NNNNNNNNNNNTGANNNNNNTCA	2	1788; 4961
BfaI	C!TAG	10	592; 1298; 1681; 1790; 1991; 2409; 2965; 3980; 4314; 4567
BfiI	ACTGGGNNNNN!	2	1315; 3091
BfiI	!NNNNCCAGT	3	289; 1761; 2843
BfmI	C!TRYAG	3	2477; 4604; 4795
BfoI	RGCGC!Y	5	598; 2409; 2417; 3145; 4820
BfrI	C!TTAAG	0	
BfuI	GTATCCNNNNNN!	3	2571; 3361; 4862
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	3	1763; 3410; 3860
BfuAI	!NNNNNNNNNGCAGGT	1	3029
BfuCI	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
BglI	GCCNNNN!NGGC	5	90; 212; 283; 1088; 2917
BglII	A!GATCT	1	1333

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BisI	GC!NGC	37	768; 819; 963; 1080; 1261; 1412; 1451; 1588; 1759; 1919; 2438; 2460; 2474; 2912; 3051; 3103; 3114; 3204; 3209; 3246; 3287; 3374; 3377; 3380; 3616; 3712; 3753; 3767; 3881; 4220; 4235; 4446; 4652; 4655; 4720; 4863; 5018
BlnI	C!CTAGG	2	2964; 3979
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	37	769; 820; 964; 1081; 1262; 1413; 1452; 1589; 1760; 1920; 2439; 2461; 2475; 2913; 3052; 3104; 3115; 3205; 3210; 3247; 3288; 3375; 3378; 3381; 3617; 3713; 3754; 3768; 3882; 4221; 4236; 4447; 4653; 4656; 4721; 4864; 5019
BmcAI	AGT!ACT	1	1771
Bme18I	G!GWCC	4	1209; 1397; 3658; 4103
Bme1390I	CC!NGG	26	90; 283; 796; 844; 940; 955; 1084; 1193; 1359; 1460; 1461; 1504; 1576; 2678; 2733; 2750; 3146; 3306; 3529; 3919; 4108; 4211; 4683; 4901; 4914; 5035
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	2	1337; 1459
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	16	84; 277; 770; 1013; 1105; 1126; 1210; 1398; 1449; 1555; 2250; 3659; 4104; 4150; 4208; 4241
BmiI	GGN!NCC	21	467; 675; 735; 1126; 1398; 1555; 1638; 1779; 2297; 2318; 2330; 2521; 2682; 2754; 3143; 3178; 4026; 4105; 4150; 4993; 5032
BmrI	ACTGGGNNNNN!	2	1315; 3091
BmrI	!NNNNCCCAGT	3	289; 1761; 2843
BmrFI	CC!NGG	26	90; 283; 796; 844; 940; 955; 1084; 1193; 1359; 1460; 1461; 1504; 1576; 2678; 2733; 2750; 3146; 3306; 3529; 3919; 4108; 4211; 4683; 4901; 4914; 5035
BmsI	GCATCNNNNN!	7	857; 1958; 2721; 2793; 3441; 3505; 3780
BmsI	!NNNNNNNNNGATGC	8	357; 1010; 1049; 1178; 3100; 3355; 3571; 4963
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	1315; 3091
BmuI	!NNNNCCCAGT	3	289; 1761; 2843
BoxI	GACNN!NNGTC	2	1252; 1681
BpiI	GAAGACNN!	2	920; 1471
BpiI	!NNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	2931; 3830
BpI	!NNNNNNNGAGNNNNNNCTC	2	2899; 3798
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	3982
BpmI	!NNNNNNNNNNNNNNNCTCCAG	2	937; 3925
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	1490
Bpu14I	TT!CGAA	1	3824
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	2	920; 1471
BpuAI	!NNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4436; 4975
BpuEI	!NNNNNNNNNNNNNCTCAAG	4	1168; 1328; 3518; 4677
BpuMI	CC!SGG	9	1193; 1359; 1460; 1461; 1576; 3146; 3306; 3919; 4683
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	2	1240; 4131
Bsa29I	AT!CGAT	1	2982
BsaAI	YAC!GTR	3	340; 2258; 3446
BsaBI	GATNN!NNATC	2	1804; 3001
BsaHI	GR!CGYC	8	122; 175; 258; 444; 1196; 3142; 3844; 3923
BsaJI	C!CNNGG	23	360; 611; 707; 842; 843; 938; 1352; 1458; 1710; 2676; 2748; 2871; 2906; 2915; 2964; 3305; 3574; 3979; 4106; 4107; 4209; 4210; 4900
BsaMI	GAATGCN!	1	1893
BsaMI	G!CATTC	1	1986
BsaWI	W!CCGGW	9	600; 1324; 1517; 1630; 1783; 3173; 4017; 4707; 4854
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	2	1453; 2222
BsaXI	!NNNNNNNGGAGNNNNNGT	0	
BsaXI	GGAGNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	2	1423; 2192

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BsbI	CAACACNNNNNNNNNNNNNNNNNNNNNN!	1	1076
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	2143; 4050
Bsc4I	CCNNNNN!NNGG	26	49; 730; 843; 1009; 1075; 1218; 1358; 1389; 1445; 1460; 1692; 2154; 2480; 2872; 3123; 3667; 3948; 3980; 4112; 4147; 4197; 4229; 4582; 4861; 5027; 5045
BscAI	GCATCNNNN!	7	856; 1957; 2720; 2792; 3440; 3504; 3779
BscAI	!NNNNNNGATGC	8	360; 1013; 1052; 1181; 3103; 3358; 3574; 4966
BseI	ACTGGN!	5	1223; 1310; 3086; 3287; 4533
BseI	C!CAGT	6	295; 1767; 2171; 2849; 4645; 4658
Bse8I	GATNN!NNATC	2	1804; 3001
Bse2II	CC!TNAGG	3	878; 2622; 4254
Bse118I	R!CCGGY	6	600; 1517; 2359; 3461; 3642; 3925
BseAI	T!CCGGA	1	1324
BseBI	CC!WGG	17	90; 283; 796; 844; 940; 955; 1084; 1504; 2678; 2733; 2750; 3529; 4108; 4211; 4901; 4914; 5035
BseCI	AT!CGAT	1	2982
BseDI	C!CNNGG	23	360; 611; 707; 842; 843; 938; 1352; 1458; 1710; 2676; 2748; 2871; 2906; 2915; 2964; 3305; 3574; 3979; 4106; 4107; 4209; 4210; 4900
Bse3DI	GCAATGNN!	1	3375
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	3002; 3459; 3484; 3938
BseGI	!CATCC	5	703; 791; 848; 1003; 2828
BseJI	GATNN!NNATC	2	1804; 3001
BseLI	CCNNNNN!NNGG	26	49; 730; 843; 1009; 1075; 1218; 1358; 1389; 1445; 1460; 1692; 2154; 2480; 2872; 3123; 3667; 3948; 3980; 4112; 4147; 4197; 4229; 4582; 4861; 5027; 5045
BseMI	GCAATGNN!	1	3375
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	2	1344; 4268
BseMII	!NNNNNNNNCTGAG	7	869; 1481; 2613; 2915; 3796; 4368; 4777
BseNI	ACTGGN!	5	1223; 1310; 3086; 3287; 4533
BseNI	C!CAGT	6	295; 1767; 2171; 2849; 4645; 4658
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	2	1649; 2960
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCMI C	7	676; 703; 736; 1313; 3088; 3181; 4750
BseXI	GCAGCNNNNNNNN!	8	830; 1272; 1930; 3215; 3257; 3778; 4231; 4731
BseXI	!NNNNNNNNNNNGCTGC	8	949; 1574; 2424; 3089; 3273; 3366; 4432; 4638
BseX3I	C!GGCCG	1	3048
BseYI	C!CCAGC	3	2685; 2757; 4756
BseYI	G!CTGGG	2	1040; 3646
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	16	60; 1411; 2030; 2066; 2442; 2462; 2486; 2517; 3208; 3509; 3947; 4031; 4094; 4163; 4436; 5017
Bsh1285I	CGRY!CG	3	605; 3051; 4726
BshFI	GG!CC	32	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1357; 1414; 1450; 1556; 1747; 2108; 2250; 2905; 2911; 2920; 2963; 3050; 3224; 3615; 3642; 4151; 4208; 4241; 4586; 5020; 5038; 5049
BshNI	G!GYRCC	6	465; 673; 733; 2295; 3141; 3176
BshTI	A!CCGGT	2	600; 1517
BshVI	AT!CGAT	1	2982
BsiEI	CGRY!CG	3	605; 3051; 4726
BsiHKAI	GWGCW!C	6	703; 1344; 1630; 3255; 3445; 4750
BsiHKCI	C!YCGRG	2	1337; 1459
BsiSI	C!CGG	25	601; 1193; 1325; 1358; 1460; 1518; 1575; 1631; 1784; 2360; 3047; 3124; 3146; 3174; 3305; 3395; 3462; 3643; 3918; 3926; 4018; 4492; 4682; 4708; 4855
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	26	49; 730; 843; 1009; 1075; 1218; 1358; 1389; 1445; 1460; 1692; 2154; 2480; 2872; 3123; 3667; 3948; 3980; 4112; 4147; 4197; 4229; 4582; 4861; 5027; 5045
BsIFI	GGGACNNNNNNNNNN!	8	175; 326; 494; 1410; 1591; 3293; 3825; 3934
BsIFI	!NNNNNNNNNNNNNGTCCC	5	1441; 2658; 2730; 2794; 4089
BsmI	GAATGCN!	1	1893

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BsmI	G!CATTC	1	1986
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	5	1240; 2566; 2984; 4003; 4131
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	8	175; 326; 494; 1410; 1591; 3293; 3825; 3934
BsmFI	!NNNNNNNNNNNNNGTCCC	5	1441; 2658; 2730; 2794; 4089
BsnI	GG!CC	32	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1357; 1414; 1450; 1556; 1747; 2108; 2250; 2905; 2911; 2920; 2963; 3050; 3224; 3615; 3642; 4151; 4208; 4241; 4586; 5020; 5038; 5049
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	2	1240; 4131
BsoBI	C!YCGRG	2	1337; 1459
Bsp13I	T!CCGGA	1	1324
Bsp19I	C!CATGG	5	360; 611; 1352; 2871; 3574
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 3945
Bsp24I	!NNNNNNCCANNNNNNNGTC	2	4366; 4544
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4398; 4576
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 3913
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	1	3824
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
Bsp1286I	GDGCH!C	15	676; 703; 736; 1313; 1344; 1630; 1641; 2333; 3088; 3181; 3255; 3445; 3507; 4217; 4750
Bsp1407I	T!GTACA	1	662
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	35	58; 86; 98; 112; 279; 507; 589; 932; 1070; 1172; 1451; 2457; 2460; 2474; 2564; 2812; 2824; 2833; 2845; 2855; 2866; 2912; 3051; 3114; 3616; 3661; 3727; 3753; 3878; 3881; 4029; 4161; 4468; 4612; 5108
BspACI	G!CGG	29	370; 403; 528; 767; 1079; 1121; 1390; 1411; 1758; 2402; 2429; 2517; 2627; 3208; 3272; 3373; 3376; 3656; 3711; 3809; 3947; 4094; 4234; 4477; 4722; 4843; 4862; 4989; 5017
BspCNI	CTCAGNNNNNNNN!	2	1343; 4267
BspCNI	!NNNNNNCTGAG	7	870; 1482; 2614; 2916; 3797; 4369; 4778
BspDI	AT!CGAT	1	2982
BspD6I	GACTCNNNN!	7	418; 1336; 1440; 1587; 2215; 3821; 4698
BspD6I	!NNNNNGAGTC	3	892; 2178; 2610
BspEI	T!CCGGA	1	1324
BspFNI	CG!CG	16	60; 1411; 2030; 2066; 2442; 2462; 2486; 2517; 3208; 3509; 3947; 4031; 4094; 4163; 4436; 5017
BspHI	T!CATGA	2	2568; 4340
BspLI	GGN!NCC	21	467; 675; 735; 1126; 1398; 1555; 1638; 1779; 2297; 2318; 2330; 2521; 2682; 2754; 3143; 3178; 4026; 4105; 4150; 4993; 5032
BspMI	ACCTGCNNNN!	3	1763; 3410; 3860
BspMI	!NNNNNNNGCAGGT	1	3029
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	10	1619; 1785; 1794; 3010; 3321; 3567; 3959; 4318; 4416; 4502
BspPI	!NNNNNGATCC	8	580; 1154; 1566; 1772; 3386; 3930; 4317; 4414
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	3	623; 3486; 3696
BspTI	C!TTAAG	0	
BspT104I	TT!CGAA	1	3824
BspT107I	G!GYRCC	6	465; 673; 733; 2295; 3141; 3176
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	2	1240; 4131
BsrI	ACTGGN!	5	1223; 1310; 3086; 3287; 4533
BsrI	C!CAGT	6	295; 1767; 2171; 2849; 4645; 4658
BsrBI	CCG!CTC	2	2566; 3755
BsrBI	GAG!CGG	2	2402; 3809
BsrDI	GCAATGNN!	1	3375

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	6	600; 1517; 2359; 3461; 3642; 3925
BsrGI	T!GTACA	1	662
BsrSI	ACTGGN!	5	1223; 1310; 3086; 3287; 4533
BsrSI	C!CAGT	6	295; 1767; 2171; 2849; 4645; 4658
BssAI	R!CCGGY	6	600; 1517; 2359; 3461; 3642; 3925
BssECI	C!CNNGG	23	360; 611; 707; 842; 843; 938; 1352; 1458; 1710; 2676; 2748; 2871; 2906; 2915; 2964; 3305; 3574; 3979; 4106; 4107; 4209; 4210; 4900
BssHII	G!CGCGC	0	
BssKI	!CCNGG	26	88; 281; 794; 842; 938; 953; 1082; 1191; 1357; 1458; 1459; 1502; 1574; 2676; 2731; 2748; 3144; 3304; 3527; 3917; 4106; 4209; 4681; 4899; 4912; 5033
BssMI	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
BssNI	GR!CGYC	8	122; 175; 258; 444; 1196; 3142; 3844; 3923
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	1264; 3860; 4887
BssSI	C!TCGTG	2	1114; 3734
BssTII	C!CWWGG	7	360; 611; 1352; 2871; 2964; 3574; 3979
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	4	623; 2609; 3486; 3696
Bst98I	C!TTAAG	0	
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 1196; 3142; 3844; 3923
BstAFI	C!TTAAG	0	
BstAPI	GCANNNN!NTGC	3	2709; 2781; 4243
BstAUI	T!GTACA	1	662
BstBI	TT!CGAA	1	3824
Bst2BI	C!ACGAG	3	1264; 3860; 4887
Bst2BI	C!TCGTG	2	1114; 3734
BstBAI	YAC!GTR	3	340; 2258; 3446
Bst4CI	ACN!GT	16	76; 198; 269; 543; 581; 678; 1659; 1714; 2233; 3522; 3638; 3746; 4069; 4560; 5030; 5101
BstC8I	GCN!NGC	30	86; 279; 593; 721; 925; 1487; 2361; 2404; 2418; 2691; 2710; 2763; 2782; 3036; 3222; 3441; 3507; 3513; 3545; 3586; 3590; 3644; 3927; 4114; 4161; 4217; 4239; 4450; 5010; 5047
BstDEI	C!TNAG	12	620; 878; 1175; 1330; 1490; 1773; 2622; 2924; 3805; 4254; 4377; 4786
BstDSI	C!CRYGG	6	360; 611; 1352; 1710; 2871; 3574
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	3002; 3459; 3484; 3938
BstF5I	!CATCC	5	703; 791; 848; 1003; 2828
BstFNI	CG!CG	16	60; 1411; 2030; 2066; 2442; 2462; 2486; 2517; 3208; 3509; 3947; 4031; 4094; 4163; 4436; 5017
BstH2I	RGCGC!Y	5	598; 2409; 2417; 3145; 4820
BstHHI	GCG!C	21	597; 2408; 2416; 2442; 2464; 2473; 2486; 2517; 3136; 3144; 3208; 3245; 3511; 3771; 3947; 4033; 4436; 4545; 4719; 4819; 4886
BstKTI	GAT!C	27	588; 986; 1136; 1162; 1336; 1574; 1614; 1724; 1780; 1789; 1802; 2982; 2986; 3005; 3316; 3394; 3475; 3484; 3562; 3938; 3954; 4313; 4325; 4403; 4411; 4422; 4497
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	5	1240; 2566; 2984; 4003; 4131
BstMBI	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
BstMCI	CGRY!CG	3	605; 3051; 4726
BstMWI	GCNNNNN!NNGC	29	90; 212; 244; 283; 376; 400; 657; 1088; 1354; 1686; 2369; 2399; 2426; 2468; 2709; 2781; 2832; 2911; 3133; 3217; 3240; 3379; 3502; 3585; 3852; 4039; 4243; 4442; 5014
BstNI	CC!WGG	17	90; 283; 796; 844; 940; 955; 1084; 1504; 2678; 2733; 2750; 3529; 4108; 4211; 4901; 4914; 5035
BstNSI	RCATG!Y	5	651; 2712; 2784; 3547; 5064

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstOI	CC!WGG	17	90; 283; 796; 844; 940; 955; 1084; 1504; 2678; 2733; 2750; 3529; 4108; 4211; 4901; 4914; 5035
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	2	1252; 1681
BstSCI	!CCNGG	26	88; 281; 794; 842; 938; 953; 1082; 1191; 1357; 1458; 1459; 1502; 1574; 2676; 2731; 2748; 3144; 3304; 3527; 3917; 4106; 4209; 4681; 4899; 4912; 5033
BstSFI	C!TRYAG	3	2477; 4604; 4795
BstSLI	GKGCMLC	7	676; 703; 736; 1313; 3088; 3181; 4750
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	16	60; 1411; 2030; 2066; 2442; 2462; 2486; 2517; 3208; 3509; 3947; 4031; 4094; 4163; 4436; 5017
Bst2UI	CC!WGG	17	90; 283; 796; 844; 940; 955; 1084; 1504; 2678; 2733; 2750; 3529; 4108; 4211; 4901; 4914; 5035
BstV1I	GCAGCNNNNNNNN!	8	830; 1272; 1930; 3215; 3257; 3778; 4231; 4731
BstV1I	!NNNNNNNNNNNGCTGC	8	949; 1574; 2424; 3089; 3273; 3366; 4432; 4638
BstV2I	GAAGACNN!	2	920; 1471
BstV2I	!NNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	13	585; 1159; 1333; 1611; 1777; 1786; 3313; 3559; 3951; 4310; 4322; 4408; 4419
BstYI	R!GATCY	13	585; 1159; 1333; 1611; 1777; 1786; 3313; 3559; 3951; 4310; 4322; 4408; 4419
BstZI	C!GGCCG	1	3048
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2571; 3361; 4862
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	2982
Bsu36I	CC!TNAGG	3	878; 2622; 4254
BsuRI	GG!CC	32	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1357; 1414; 1450; 1556; 1747; 2108; 2250; 2905; 2911; 2920; 2963; 3050; 3224; 3615; 3642; 4151; 4208; 4241; 4586; 5020; 5038; 5049
BsuTUI	AT!CGAT	1	2982
BtgI	C!CRYGG	6	360; 611; 1352; 1710; 2871; 3574
BtgZI	GCGATGNNNNNNNNNN!	2	2259; 3594
BtgZI	!NNNNNNNNNNNNNNNNCATCGC	3	334; 3413; 3757
BthCI	GCNG!C	37	770; 821; 965; 1082; 1263; 1414; 1453; 1590; 1761; 1921; 2440; 2462; 2476; 2914; 3053; 3105; 3116; 3206; 3211; 3248; 3289; 3376; 3379; 3382; 3618; 3714; 3755; 3769; 3883; 4222; 4237; 4448; 4654; 4657; 4722; 4865; 5020
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	2	1582; 1981
BtsCI	GGATGNN!	4	3002; 3459; 3484; 3938
BtsCI	!CATCC	5	703; 791; 848; 1003; 2828
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	3	1763; 3410; 3860
BveI	!NNNNNNNNNGCAGGT	1	3029
Cac8I	GCN!NGC	30	86; 279; 593; 721; 925; 1487; 2361; 2404; 2418; 2691; 2710; 2763; 2782; 3036; 3222; 3441; 3507; 3513; 3545; 3586; 3590; 3644; 3927; 4114; 4161; 4217; 4239; 4450; 5010; 5047
CaiI	CAGNNN!CTG	3	1286; 4243; 4651
CciI	T!CATGA	2	2568; 4340
CciNI	GC!GGCCGC	0	
CdiI	CATC!G	7	352; 1377; 1419; 3431; 3436; 3634; 3775
CdiI	C!GATG	2	2245; 3580
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNNNN!	1	5014
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 2803; 2845
CelII	GC!TNAGC	0	
CfoI	GCG!C	21	597; 2408; 2416; 2442; 2464; 2473; 2486; 2517; 3136; 3144; 3208; 3245; 3511; 3771; 3947; 4033; 4436; 4545; 4719; 4819; 4886
CfrI	Y!GGCCR	7	1277; 1355; 1412; 3048; 3222; 3613; 3640
Cfr9I	C!CCGGG	1	1459
Cfr10I	R!CCGGY	6	600; 1517; 2359; 3461; 3642; 3925



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Cfr13I	G!GNCC	16	83; 276; 769; 1012; 1104; 1125; 1209; 1397; 1448; 1554; 2249; 3658; 4103; 4149; 4207; 4240
Cfr42I	CCG!GG	0	
ChaI	GATC!	27	589; 987; 1137; 1163; 1337; 1575; 1615; 1725; 1781; 1790; 1803; 2983; 2987; 3006; 3317; 3395; 3476; 3485; 3563; 3939; 3955; 4314; 4326; 4404; 4412; 4423; 4498
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	6	715; 1511; 2959; 4399; 4499; 4577
CjeI	!NNNNNNNNNACNNNNNNNTGG	7	64; 257; 2626; 2721; 3913; 4463; 5018
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 2660; 2755; 3947; 4497; 5052
CjeI	!NNNNNNNNCCANNNNNNGT	6	681; 1477; 2925; 4365; 4465; 4543
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	3	1582; 4399; 4577
CjePI	!NNNNNNNNGANNNNNNNTGG	5	257; 740; 1085; 3913; 4512
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	5	290; 773; 1118; 3946; 4545
CjePI	!NNNNNNNNCCANNNNNNNNTC	3	1549; 4366; 4544
Clal	AT!CGAT	1	2982
CpoI	CG!GWCCG	1	3658
CseI	GACGCNNNNN!	5	526; 1417; 1686; 3852; 3931
CseI	!NNNNNNNNNNNGCGTC	4	1185; 2475; 4370; 4948
CsiI	A!CCWGGT	1	2731
CspI	CG!GWCCG	1	3658
Csp6I	G!TAC	12	218; 243; 298; 331; 382; 539; 663; 813; 1065; 1619; 1770; 3447
Csp45I	TT!CGAA	1	3824
CspAI	A!CCGGT	2	600; 1517
CspCI	CAANNNNNGTGGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	4	665; 1256; 2422; 4031
CstMI	!NNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	25	301; 361; 612; 648; 654; 666; 744; 810; 890; 1101; 1353; 1665; 2569; 2709; 2781; 2872; 3013; 3358; 3544; 3575; 3601; 3957; 4341; 5061; 5112
CviJI	RG!CY	102	42; 84; 93; 277; 566; 633; 660; 723; 770; 799; 806; 884; 950; 962; 1013; 1040; 1048; 1082; 1105; 1113; 1127; 1237; 1273; 1279; 1342; 1348; 1357; 1382; 1414; 1424; 1450; 1489; 1542; 1556; 1639; 1747; 1811; 1921; 2088; 2108; 2250; 2331; 2345; 2359; 2640; 2681; 2753; 2876; 2905; 2911; 2920; 2928; 2951; 2963; 2969; 3050; 3067; 3075; 3102; 3127; 3211; 3220; 3224; 3248; 3286; 3362; 3379; 3398; 3461; 3505; 3515; 3532; 3615; 3642; 3646; 3683; 3706; 3722; 3902; 3929; 3990; 4112; 4151; 4208; 4215; 4222; 4241; 4252; 4503; 4532; 4575; 4586; 4651; 4730; 4755; 4760; 4806; 4896; 4994; 5020; 5038; 5049
CviKI-1	RG!CY	102	42; 84; 93; 277; 566; 633; 660; 723; 770; 799; 806; 884; 950; 962; 1013; 1040; 1048; 1082; 1105; 1113; 1127; 1237; 1273; 1279; 1342; 1348; 1357; 1382; 1414; 1424; 1450; 1489; 1542; 1556; 1639; 1747; 1811; 1921; 2088; 2108; 2250; 2331; 2345; 2359; 2640; 2681; 2753; 2876; 2905; 2911; 2920; 2928; 2951; 2963; 2969; 3050; 3067; 3075; 3102; 3127; 3211; 3220; 3224; 3248; 3286; 3362; 3379; 3398; 3461; 3505; 3515; 3532; 3615; 3642; 3646; 3683; 3706; 3722; 3902; 3929; 3990; 4112; 4151; 4208; 4215; 4222; 4241; 4252; 4503; 4532; 4575; 4586; 4651; 4730; 4755; 4760; 4806; 4896; 4994; 5020; 5038; 5049
CviQI	G!TAC	12	218; 243; 298; 331; 382; 539; 663; 813; 1065; 1619; 1770; 3447
DdeI	C!TNAG	12	620; 878; 1175; 1330; 1490; 1773; 2622; 2924; 3805; 4254; 4377; 4786
DinI	GGC!GCC	1	3143
DpnI	GA!TC	27	587; 985; 1135; 1161; 1335; 1573; 1613; 1723; 1779; 1788; 1801; 2981; 2985; 3004; 3315; 3393; 3474; 3483; 3561; 3937; 3953; 4312; 4324; 4402; 4410; 4421; 4496
DpnII	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
DraI	TTT!AAA	3	1844; 4286; 4305
DraII	RG!GNCCY	2	1397; 4240
DraIII	CACNNN!GTG	2	1269; 2258
DraRI	CAAGNACNNNNNNNNNNNNNNNNNN!	3	266; 1454; 4622

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DraRI	!NNNNNNNNNNNNNNNNNGTNCCTTG	0	
DrdI	GACNNN!NNGTC	3	2213; 3169; 4958
DrdIV	TACGACNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	2213; 3169; 4958
EaeI	Y!GGCCR	7	1277; 1355; 1412; 3048; 3222; 3613; 3640
EagI	C!GGCCG	1	3048
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	623; 2609; 3486; 3696
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	623; 2609; 3486; 3696
EciI	GGCGGANNNNNNNNNN!	5	1405; 2642; 3671; 4858; 5004
EciI	!NNNNNNNNNTCCGCC	4	496; 2813; 2834; 2855
Ecl136II	GAG!CTC	1	1342
EclXI	C!GGCCG	1	3048
Eco24I	GRGCY!C	5	1344; 1641; 2333; 3507; 4217
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	2	1240; 4131
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	4	1209; 1397; 3658; 4103
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	1	3048
Eco57I	CTGAAGNNNNNNNNNNNNNN!	3	1129; 3288; 3720
Eco57I	!NNNNNNNNNNNNNCTTCAG	1	4518
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	3	878; 2622; 4254
Eco88I	C!YCGRG	2	1337; 1459
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	7	360; 611; 1352; 2871; 2964; 3574; 3979
Eco147I	AGG!CCT	1	2963
EcoHI	!CCSGG	9	1191; 1357; 1458; 1459; 1574; 3144; 3304; 3917; 4681
EcoICRI	GAG!CTC	1	1342
Eco57MI	CTGRAGNNNNNNNNNNNNNN!	4	1129; 3288; 3720; 3982
Eco57MI	!NNNNNNNNNNNNNCTYCAG	3	937; 3925; 4518
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	2	1397; 4240
EcoRI	G!AATC	0	
EcoRII	!CCWGG	17	88; 281; 794; 842; 938; 953; 1082; 1502; 2676; 2731; 2748; 3527; 4106; 4209; 4899; 4912; 5033
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	7	360; 611; 1352; 2871; 2964; 3574; 3979
EcoT22I	ATGCA!T	3	2714; 2786; 5117
EcoT38I	GRGCY!C	5	1344; 1641; 2333; 3507; 4217
Eco53kI	GAG!CTC	1	1342
EgeI	GGC!GCC	1	3143
EheI	GGC!GCC	1	3143
ErhI	C!CWWGG	7	360; 611; 1352; 2871; 2964; 3574; 3979
EsaBC3I	TC!GA	16	762; 789; 1257; 1339; 1377; 2292; 2983; 3256; 3412; 3436; 3472; 3634; 3825; 3870; 4125; 4963
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	25	304; 364; 615; 651; 657; 669; 747; 813; 893; 1104; 1356; 1668; 2572; 2712; 2784; 2875; 3016; 3361; 3547; 3578; 3604; 3960; 4344; 5064; 5115
Fail	YA!TR	66	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 613; 649; 655; 667; 745; 811; 891; 909; 1102; 1155; 1205; 1354; 1387; 1666; 1739; 1804; 1814; 1880; 1925; 2130; 2558; 2570; 2701; 2710; 2773; 2782; 2806; 2873; 2897; 3014; 3078; 3359; 3384; 3545; 3576; 3602; 3674; 3890; 3958; 4036; 4088; 4249; 4266; 4268; 4270; 4342; 4620; 4809; 4925; 4998; 5062; 5113
Fall	AAGNNNNNCTNNNNNNNNNNNN!	2	888; 3482

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FalI	!NNNNNNNNAAGNNNNNCTT	2	856; 3450
FaqI	GGGACNNNNNNNNNN!	8	175; 326; 494; 1410; 1591; 3293; 3825; 3934
FaqI	!NNNNNNNNNNNNNGTCCC	5	1441; 2658; 2730; 2794; 4089
FatI	!CATG	25	300; 360; 611; 647; 653; 665; 743; 809; 889; 1100; 1352; 1664; 2568; 2708; 2780; 2871; 3012; 3357; 3543; 3574; 3600; 3956; 4340; 5060; 5111
FauI	CCCGCNNNN!	10	93; 119; 286; 1077; 1179; 2464; 2819; 2840; 4036; 4168
FauI	!NNNNNGCGGG	6	1114; 2395; 3265; 3802; 3940; 4087
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	2	1721; 1799
FblI	GT!MKAC	1	1199
FmuI	GGNC!C	16	86; 279; 772; 1015; 1107; 1128; 1212; 1400; 1451; 1557; 2252; 3661; 4106; 4152; 4210; 4243
Fnu4HI	GC!NGC	37	768; 819; 963; 1080; 1261; 1412; 1451; 1588; 1759; 1919; 2438; 2460; 2474; 2912; 3051; 3103; 3114; 3204; 3209; 3246; 3287; 3374; 3377; 3380; 3616; 3712; 3753; 3767; 3881; 4220; 4235; 4446; 4652; 4655; 4720; 4863; 5018
FokI	GGATGNNNNNNNN!	4	3009; 3466; 3491; 3945
FokI	!NNNNNNNNNNNNCATCC	5	690; 778; 835; 990; 2815
FriOI	GRGCY!C	5	1344; 1641; 2333; 3507; 4217
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3244
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	10	592; 1298; 1681; 1790; 1991; 2409; 2965; 3980; 4314; 4567
FspEI	CCNNNNNNNNNNNN!	175	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 690; 720; 737; 751; 784; 798; 816; 840; 855; 885; 918; 945; 960; 979; 1015; 1062; 1081; 1096; 1119; 1141; 1164; 1184; 1205; 1225; 1251; 1293; 1309; 1338; 1365; 1383; 1413; 1428; 1451; 1467; 1482; 1499; 1516; 1531; 1570; 1588; 1635; 1653; 1677; 1699; 1723; 1761; 1779; 1794; 1825; 1864; 1878; 2019; 2114; 2138; 2161; 2184; 2202; 2224; 2245; 2264; 2283; 2312; 2333; 2347; 2373; 2461; 2487; 2536; 2577; 2595; 2634; 2650; 2688; 2745; 2760; 2817; 2837; 2851; 2868; 2882; 2919; 2934; 2977; 3060; 3127; 3158; 3178; 3193; 3238; 3252; 3318; 3332; 3351; 3367; 3408; 3428; 3475; 3525; 3541; 3561; 3586; 3606; 3629; 3656; 3674; 3700; 3740; 3766; 3790; 3846; 3860; 3888; 3931; 3952; 3987; 4031; 4119; 4143; 4165; 4185; 4201; 4222; 4236; 4255; 4339; 4359; 4387; 4402; 4436; 4478; 4505; 4520; 4565; 4589; 4603; 4625; 4651; 4671; 4695; 4721; 4769; 4788; 4807; 4833; 4868; 4913; 4943; 4957; 5008; 5022; 5047; 5063; 5084; 5113
FspEI	!NNNNNNNNNNNNNNNGG	142	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 607; 625; 652; 694; 715; 739; 781; 800; 829; 865; 902; 925; 944; 974; 995; 1022; 1061; 1087; 1106; 1178; 1204; 1252; 1291; 1310; 1339; 1372; 1390; 1414; 1432; 1477; 1503; 1523; 1560; 1580; 1616; 1678; 1697; 1729; 1760; 1813; 1913; 1982; 2090; 2139; 2161; 2189; 2225; 2270; 2299; 2335; 2354; 2382; 2402; 2465; 2488; 2596; 2628; 2646; 2675; 2718; 2747; 2858; 2887; 2930; 2951; 2979; 3012; 3032; 3057; 3084; 3109; 3131; 3159; 3185; 3206; 3257; 3278; 3296; 3344; 3380; 3436; 3461; 3485; 3514; 3537; 3561; 3587; 3609; 3628; 3653; 3693; 3729; 3794; 3879; 3903; 3932; 3966; 3987; 4007; 4052; 4079; 4098; 4131; 4183; 4214; 4241; 4293; 4391; 4462; 4507; 4568; 4633; 4667; 4693; 4711; 4747; 4817; 4840; 4862; 4886; 4919; 4967; 5002; 5020; 5077
Fsp4HI	GC!NGC	37	768; 819; 963; 1080; 1261; 1412; 1451; 1588; 1759; 1919; 2438; 2460; 2474; 2912; 3051; 3103; 3114; 3204; 3209; 3246; 3287; 3374; 3377; 3380; 3616; 3712; 3753; 3767; 3881; 4220; 4235; 4446; 4652; 4655; 4720; 4863; 5018
GdiII	C!GGCCR	2	1412; 3048
GdiII	Y!GGCCG	4	1355; 3048; 3613; 3640
GlaI	GC!GC	21	596; 2407; 2415; 2441; 2463; 2472; 2485; 2516; 3135; 3143; 3207; 3244; 3510; 3770; 3946; 4032; 4435; 4544; 4718; 4818; 4885
GluI	GC!NGC	37	768; 819; 963; 1080; 1261; 1412; 1451; 1588; 1759; 1919; 2438; 2460; 2474; 2912; 3051; 3103; 3114; 3204; 3209; 3246; 3287; 3374; 3377; 3380; 3616; 3712; 3753; 3767; 3881; 4220; 4235; 4446; 4652; 4655; 4720; 4863; 5018
GsaI	CCCAG!C	3	2689; 2761; 4760
GsaI	GCTGG!G	2	1044; 3650

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	3982
GsuI	!NNNNNNNNNNNNNNCTCCAG	2	937; 3925
HaeI	WGG!CCW	8	1048; 1279; 1747; 2963; 3224; 4586; 5038; 5049
HaeII	RGCGC!Y	5	598; 2409; 2417; 3145; 4820
HaeIII	GG!CC	32	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1357; 1414; 1450; 1556; 1747; 2108; 2250; 2905; 2911; 2920; 2963; 3050; 3224; 3615; 3642; 4151; 4208; 4241; 4586; 5020; 5038; 5049
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	1817; 3338
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	2	1783; 3304
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	1816; 3337
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	2	1785; 3306
HapII	C!CGG	25	601; 1193; 1325; 1358; 1460; 1518; 1575; 1631; 1784; 2360; 3047; 3124; 3146; 3174; 3305; 3395; 3462; 3643; 3918; 3926; 4018; 4492; 4682; 4708; 4855
HgaI	GACGCNNNNN!	5	526; 1417; 1686; 3852; 3931
HgaI	!NNNNNNNNNNNGCGTC	4	1185; 2475; 4370; 4948
HhaI	GCG!C	21	597; 2408; 2416; 2442; 2464; 2473; 2486; 2517; 3136; 3144; 3208; 3245; 3511; 3771; 3947; 4033; 4436; 4545; 4719; 4819; 4886
HinI	GR!CGYC	8	122; 175; 258; 444; 1196; 3142; 3844; 3923
HinIII	CATG!	25	304; 364; 615; 651; 657; 669; 747; 813; 893; 1104; 1356; 1668; 2572; 2712; 2784; 2875; 3016; 3361; 3547; 3578; 3604; 3960; 4344; 5064; 5115
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1455; 1816; 3337
Hin4I	!NNNNNNNNGABNNNNNNRTC	3	1784; 3305; 3335
Hin4I	GABNNNNNRTCNNNNNNNNNNNNN!	3	1816; 3337; 3367
Hin4I	!NNNNNNNNNGAYNNNNNVTC	3	1423; 1784; 3305
Hin6I	G!CGC	21	595; 2406; 2414; 2440; 2462; 2471; 2484; 2515; 3134; 3142; 3206; 3243; 3509; 3769; 3945; 4031; 4434; 4543; 4717; 4817; 4884
HinPII	G!CGC	21	595; 2406; 2414; 2440; 2462; 2471; 2484; 2515; 3134; 3142; 3206; 3243; 3509; 3769; 3945; 4031; 4434; 4543; 4717; 4817; 4884
HincII	GTY!RAC	1	1905
HindII	GTY!RAC	1	1905
HindIII	A!AGCTT	1	1346
Hinfi	G!ANTC	17	410; 749; 899; 1226; 1328; 1432; 1579; 2185; 2207; 2617; 3627; 3761; 3813; 3871; 3908; 4690; 5086
HpaI	GTT!AAC	1	1905
HpaII	C!CGG	25	601; 1193; 1325; 1358; 1460; 1518; 1575; 1631; 1784; 2360; 3047; 3124; 3146; 3174; 3305; 3395; 3462; 3643; 3918; 3926; 4018; 4492; 4682; 4708; 4855
HphI	GGTGANNNNNNNN!	4	376; 1005; 4213; 4329
HphI	!NNNNNNNTCACC	5	894; 1653; 1744; 2259; 3320
Hpy8I	GTN!NAC	14	201; 539; 577; 681; 701; 996; 1200; 1209; 1710; 1905; 2189; 2206; 2261; 4748
Hpy99I	CGWCG!	8	1258; 3232; 3260; 3554; 3569; 3846; 4231; 4964
Hpy166II	GTN!NAC	14	201; 539; 577; 681; 701; 996; 1200; 1209; 1710; 1905; 2189; 2206; 2261; 4748
Hpy188I	TCN!GA	14	585; 708; 988; 1333; 2316; 2925; 3109; 3453; 3806; 3907; 4386; 4520; 4873; 4951
Hpy188III	TC!NNGA	26	981; 1146; 1185; 1325; 1337; 1405; 1790; 2569; 2621; 2934; 2987; 3160; 3476; 3485; 3568; 3624; 3668; 3758; 3791; 3860; 4341; 4415; 4498; 4596; 4694; 4828
HpyAV	CCTCNNNNNN!	8	789; 837; 882; 1479; 1656; 3787; 3894; 4573
HpyAV	!NNNNNGAAGG	10	709; 1081; 1696; 2375; 3270; 3999; 4015; 4198; 4515; 4825
HpyCH4III	ACN!GT	16	76; 198; 269; 543; 581; 678; 1659; 1714; 2233; 3522; 3638; 3746; 4069; 4560; 5030; 5101
HpyCH4IV	A!CGT	16	122; 134; 175; 258; 339; 444; 977; 1253; 2202; 2214; 2257; 2367; 3258; 3445; 4226; 4359
HpyCH4V	TG!CA	21	651; 701; 1023; 1139; 1590; 1891; 1918; 1986; 2703; 2712; 2775; 2784; 2899; 2975; 3034; 3193; 3368; 3382; 4452; 4748; 5115
HpyF3I	C!TNAG	12	620; 878; 1175; 1330; 1490; 1773; 2622; 2924; 3805; 4254; 4377; 4786

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HpyF10VI	GCNNNNN!NNGC	29	90; 212; 244; 283; 376; 400; 657; 1088; 1354; 1686; 2369; 2399; 2426; 2468; 2709; 2781; 2832; 2911; 3133; 3217; 3240; 3379; 3502; 3585; 3852; 4039; 4243; 4442; 5014
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 1196; 3142; 3844; 3923
Hsp92II	CATG!	25	304; 364; 615; 651; 657; 669; 747; 813; 893; 1104; 1356; 1668; 2572; 2712; 2784; 2875; 3016; 3361; 3547; 3578; 3604; 3960; 4344; 5064; 5115
HspAI	G!CGC	21	595; 2406; 2414; 2440; 2462; 2471; 2484; 2515; 3134; 3142; 3206; 3243; 3509; 3769; 3945; 4031; 4434; 4543; 4717; 4817; 4884
KasI	G!GCGCC	1	3141
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	1	1324
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	2	1721; 1799
KspAI	GTT!AAC	1	1905
Kzo9I	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	3	623; 3486; 3696
LpnI	RGC!GCV	5	596; 2407; 2415; 3143; 4818
LpnPI	CCDGNNNNNNNNN!	72	102; 295; 614; 751; 808; 856; 890; 952; 967; 1028; 1096; 1120; 1144; 1206; 1293; 1338; 1371; 1413; 1473; 1499; 1516; 1531; 1570; 1588; 1644; 1699; 1768; 1797; 1879; 2184; 2373; 2596; 2634; 2650; 2690; 2745; 2762; 2862; 2947; 3060; 3137; 3159; 3182; 3318; 3332; 3351; 3408; 3475; 3525; 3541; 3598; 3656; 3865; 3931; 3955; 4031; 4120; 4223; 4256; 4487; 4505; 4651; 4671; 4695; 4721; 4770; 4868; 4913; 4943; 5022; 5047; 5084
LpnPI	!NNNNNNNNNNNNNCHGG	61	75; 268; 552; 586; 781; 829; 925; 1026; 1069; 1178; 1204; 1291; 1310; 1343; 1390; 1431; 1489; 1560; 1616; 1769; 2225; 2345; 2402; 2465; 2663; 2675; 2735; 2747; 2979; 3024; 3067; 3109; 3131; 3159; 3206; 3268; 3290; 3380; 3447; 3470; 3514; 3609; 3628; 3653; 3802; 3903; 3946; 4003; 4093; 4196; 4223; 4241; 4477; 4514; 4667; 4693; 4833; 4851; 4886; 4967; 5020
Lsp1109I	GCAGCNNNNNNNN!	8	830; 1272; 1930; 3215; 3257; 3778; 4231; 4731
Lsp1109I	!NNNNNNNNNNNGCTGC	8	949; 1574; 2424; 3089; 3273; 3366; 4432; 4638
LweI	GCATCNNNNN!	7	857; 1958; 2721; 2793; 3441; 3505; 3780
LweI	!NNNNNNNNNGATGC	8	357; 1010; 1049; 1178; 3100; 3355; 3571; 4963
MabI	A!CCWGGT	1	2731
MaeI	C!TAG	10	592; 1298; 1681; 1790; 1991; 2409; 2965; 3980; 4314; 4567
MaeII	A!CGT	16	122; 134; 175; 258; 339; 444; 977; 1253; 2202; 2214; 2257; 2367; 3258; 3445; 4226; 4359
MaeIII	!GTNAC	15	61; 148; 497; 900; 1653; 1659; 1930; 2431; 2443; 3262; 3568; 4258; 4524; 4640; 4703
MalI	GA!TC	27	587; 985; 1135; 1161; 1335; 1573; 1613; 1723; 1779; 1788; 1801; 2981; 2985; 3004; 3315; 3393; 3474; 3483; 3561; 3937; 3953; 4312; 4324; 4402; 4410; 4421; 4496
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	4	157; 240; 426; 1514
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2566; 3755
MbiI	GAG!CGG	2	2402; 3809
MboI	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
MboII	GAAGANNNNNNNN!	9	640; 925; 1038; 1476; 2398; 2626; 3503; 3713; 4332
MboII	!NNNNNNNTCTTC	5	1606; 3793; 3960; 4160; 4403
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	1892
MfII	R!GATCY	13	585; 1159; 1333; 1611; 1777; 1786; 3313; 3559; 3951; 4310; 4322; 4408; 4419
MhII	GDGCH!C	15	676; 703; 736; 1313; 1344; 1630; 1641; 2333; 3088; 3181; 3255; 3445; 3507; 4217; 4750
MIsI	TGG!CCA	2	1279; 3224
MluI	A!CGCGT	1	2028

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MluNI	TGG!CCA	2	1279; 3224
MlyI	GAGTCNNNNN!	3	908; 2194; 2626
MlyI	!NNNNNGACTC	7	404; 1322; 1426; 1573; 2201; 3807; 4684
Mly113I	GG!CGCC	1	3142
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	2	1031; 2235
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	2	4667; 4851
MnII	CCTCNNNNNNN!	14	782; 961; 976; 1192; 1303; 1449; 1758; 1861; 2925; 3743; 3949; 4263; 4633; 4957
MnII	!NNNNNNGAGG	24	541; 663; 702; 723; 756; 873; 982; 1038; 1227; 1260; 1485; 1627; 1821; 2286; 2617; 2895; 2938; 2953; 2993; 3057; 3193; 3550; 3980; 4883
Mph1103I	ATGCA!T	3	2714; 2786; 5117
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	1324
MroNI	G!CCGGC	3	2359; 3642; 3925
MroXI	GAANN!NNTTC	1	1468
MscI	TGG!CCA	2	1279; 3224
MseI	T!TAA	18	7; 638; 863; 1319; 1843; 1904; 2025; 2046; 2057; 2069; 2080; 2097; 2195; 2466; 4285; 4299; 4304; 4356
MslI	CAYNN!NNRTG	5	365; 613; 652; 1057; 3579
MspI	C!CGG	25	601; 1193; 1325; 1358; 1460; 1518; 1575; 1631; 1784; 2360; 3047; 3124; 3146; 3174; 3305; 3395; 3462; 3643; 3918; 3926; 4018; 4492; 4682; 4708; 4855
Msp20I	TGG!CCA	2	1279; 3224
MspA1I	CMG!CKG	6	1072; 1489; 2640; 3248; 4477; 4722
MspCI	C!TTAAG	0	
MspJI	CNNRNNNNNNNNN!	262	36; 50; 71; 97; 113; 127; 147; 167; 219; 236; 251; 290; 306; 319; 332; 352; 373; 407; 424; 449; 481; 500; 523; 548; 574; 596; 613; 632; 646; 660; 678; 708; 726; 741; 756; 774; 807; 822; 850; 865; 889; 902; 918; 936; 950; 966; 979; 993; 1014; 1027; 1048; 1061; 1081; 1095; 1113; 1126; 1143; 1158; 1175; 1195; 1225; 1242; 1262; 1276; 1292; 1309; 1324; 1337; 1351; 1365; 1382; 1396; 1412; 1431; 1446; 1471; 1498; 1515; 1530; 1555; 1569; 1587; 1603; 1630; 1643; 1677; 1693; 1710; 1723; 1740; 1763; 1778; 1796; 1810; 1825; 1849; 1866; 1879; 1920; 1934; 1947; 1965; 2003; 2018; 2036; 2077; 2101; 2121; 2139; 2160; 2183; 2215; 2230; 2252; 2270; 2283; 2304; 2321; 2334; 2347; 2363; 2376; 2406; 2421; 2446; 2464; 2477; 2492; 2516; 2530; 2554; 2579; 2595; 2633; 2649; 2688; 2702; 2716; 2744; 2760; 2774; 2788; 2817; 2830; 2851; 2860; 2882; 2912; 2928; 2946; 2976; 2999; 3023; 3047; 3066; 3094; 3120; 3136; 3149; 3172; 3186; 3206; 3219; 3233; 3252; 3266; 3279; 3295; 3310; 3323; 3339; 3354; 3370; 3395; 3414; 3430; 3443; 3456; 3474; 3488; 3502; 3518; 3540; 3556; 3575; 3597; 3613; 3636; 3655; 3669; 3685; 3699; 3719; 3735; 3748; 3770; 3803; 3817; 3837; 3850; 3864; 3918; 3931; 3954; 3967; 3986; 4003; 4030; 4066; 4099; 4118; 4143; 4164; 4191; 4204; 4221; 4235; 4250; 4266; 4326; 4351; 4367; 4389; 4402; 4416; 4447; 4461; 4486; 4504; 4519; 4532; 4551; 4564; 4579; 4608; 4627; 4645; 4670; 4685; 4704; 4720; 4739; 4757; 4773; 4787; 4806; 4833; 4856; 4878; 4897; 4912; 4925; 4942; 4962; 4989; 5002; 5021; 5046; 5069; 5083; 5096; 5113

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNGG	213	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 598; 625; 652; 682; 706; 724; 748; 767; 789; 829; 850; 876; 896; 925; 967; 1001; 1022; 1042; 1069; 1087; 1104; 1122; 1150; 1171; 1190; 1216; 1238; 1261; 1284; 1310; 1331; 1372; 1390; 1407; 1427; 1445; 1468; 1489; 1509; 1535; 1553; 1577; 1602; 1651; 1672; 1697; 1714; 1741; 1760; 1794; 1823; 1852; 1894; 1977; 2015; 2039; 2062; 2091; 2135; 2157; 2189; 2225; 2242; 2263; 2300; 2320; 2337; 2354; 2389; 2407; 2425; 2442; 2466; 2488; 2515; 2543; 2569; 2607; 2628; 2645; 2663; 2686; 2707; 2735; 2758; 2779; 2797; 2818; 2835; 2858; 2882; 2902; 2920; 2942; 2973; 2995; 3021; 3040; 3057; 3085; 3104; 3123; 3141; 3159; 3180; 3202; 3226; 3259; 3279; 3297; 3318; 3344; 3371; 3388; 3405; 3422; 3448; 3470; 3492; 3510; 3530; 3549; 3571; 3609; 3629; 3653; 3673; 3693; 3720; 3744; 3777; 3796; 3824; 3846; 3875; 3903; 3928; 3947; 3966; 3987; 4004; 4021; 4052; 4079; 4099; 4122; 4142; 4179; 4196; 4215; 4241; 4261; 4300; 4327; 4346; 4364; 4401; 4419; 4460; 4478; 4504; 4521; 4553; 4582; 4610; 4631; 4654; 4673; 4694; 4712; 4729; 4747; 4773; 4794; 4814; 4834; 4852; 4873; 4899; 4916; 4935; 4954; 4983; 5002; 5020; 5039; 5057; 5075; 5098
MspR9I	CC!NGG	26	90; 283; 796; 844; 940; 955; 1084; 1193; 1359; 1460; 1461; 1504; 1576; 2678; 2733; 2750; 3146; 3306; 3529; 3919; 4108; 4211; 4683; 4901; 4914; 5035
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1892
MvaI	CC!WGG	17	90; 283; 796; 844; 940; 955; 1084; 1504; 2678; 2733; 2750; 3529; 4108; 4211; 4901; 4914; 5035
Mva1269I	GAATGCN!	1	1893
Mva1269I	G!CATTC	1	1986
MvnI	CG!CG	16	60; 1411; 2030; 2066; 2442; 2462; 2486; 2517; 3208; 3509; 3947; 4031; 4094; 4163; 4436; 5017
MvrI	CGAT!CG	0	
MwoI	GCNNNN!NNGC	29	90; 212; 244; 283; 376; 400; 657; 1088; 1354; 1686; 2369; 2399; 2426; 2468; 2709; 2781; 2832; 2911; 3133; 3217; 3240; 3379; 3502; 3585; 3852; 4039; 4243; 4442; 5014
NaeI	GCC!GGC	3	2361; 3644; 3927
NarI	GG!CGCC	1	3142
NciI	CC!SGG	9	1193; 1359; 1460; 1461; 1576; 3146; 3306; 3919; 4683
NcoI	C!CATGG	5	360; 611; 1352; 2871; 3574
NdeI	CA!TATG	1	234
NdeII	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	740
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	776
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	3	2359; 3642; 3925
NheI	G!CTAGC	1	591
NlaIII	CATG!	25	304; 364; 615; 651; 657; 669; 747; 813; 893; 1104; 1356; 1668; 2572; 2712; 2784; 2875; 3016; 3361; 3547; 3578; 3604; 3960; 4344; 5064; 5115
NlaIV	GGN!NCC	21	467; 675; 735; 1126; 1398; 1555; 1638; 1779; 2297; 2318; 2330; 2521; 2682; 2754; 3143; 3178; 4026; 4105; 4150; 4993; 5032
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	3	1974; 2289; 3881
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 1000; 4953
Nlj3877I	CYCGR!G	2	1341; 1463
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	2931; 3367
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1016; 2896
NmeDI	RCCGGYNNNNNN!	6	612; 1529; 2371; 3473; 3654; 3937
NmeDI	!NNNNNNNNNNNNRCCGGY	6	587; 1504; 2346; 3448; 3629; 3912
NmuCI	!GTSAC	6	900; 1653; 1659; 2431; 3262; 3568
NotI	GC!GGCCGC	0	
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3244
NsiI	ATGCA!T	3	2714; 2786; 5117
NspI	RCATG!Y	5	651; 2712; 2784; 3547; 5064

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NspV	TT!CGAA	1	3824
OliI	CACNN!NNGTG	1	613
PabI	GTA!C	12	220; 245; 300; 333; 384; 541; 665; 815; 1067; 1621; 1772; 3449
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2712; 2784; 3547
PaeR7I	C!TCGAG	1	1337
PagI	T!CATGA	2	2568; 4340
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	843; 4107; 4210
PauI	G!CGCGC	0	
PceI	AGG!CCT	1	2963
PciI	A!CATGT	1	5060
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	3	623; 3486; 3696
PcsI	WCGNNNN!NNNCGW	9	1262; 1373; 1415; 3436; 3513; 3756; 3830; 4223; 4741
PctI	GAATGCN!	1	1893
PctI	G!CATTC	1	1986
PdiI	GCC!GGC	3	2361; 3644; 3927
PdmI	GAANN!NNTTC	1	1468
PfeI	G!AWTC	7	749; 1226; 3627; 3761; 3871; 3908; 5086
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3260
PfIMI	CCANNNN!NTGG	1	1218
PfoI	T!CCNGGA	3	953; 1574; 3917
PhoI	GG!CC	32	84; 277; 770; 1013; 1048; 1082; 1105; 1127; 1237; 1279; 1357; 1414; 1450; 1556; 1747; 2108; 2250; 2905; 2911; 2920; 2963; 3050; 3224; 3615; 3642; 4151; 4208; 4241; 4586; 5020; 5038; 5049
PinAI	A!CCGGT	2	600; 1517
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNNNNNN!	1	3523
PlaDI	!NNNNNNNNNNNNNNNNNNNNNNCTGATG	3	1670; 3088; 3343
PleI	GAGTCNNNN!	3	907; 2193; 2625
PleI	!NNNNNGACTC	7	404; 1322; 1426; 1573; 2201; 3807; 4684
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNNNN!	1	2224
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	4354
PpiI	GAGNNNNNGTTCNNNNNNNNNNNNNN!	1	4386
PpiI	!NNNNNNNGAACNNNNNCTC	1	2192
PpsI	GAGTCNNNN!	3	907; 2193; 2625
PpsI	!NNNNNGACTC	7	404; 1322; 1426; 1573; 2201; 3807; 4684
Ppu10I	A!TGCAT	3	2710; 2782; 5113
Ppu21I	YAC!GTR	3	340; 2258; 3446
PpuMI	RG!GWCCY	1	1397
PscI	A!CATGT	1	5060
PshAI	GACNN!NNGTC	2	1252; 1681
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	1925; 2130
Psp03I	GGWC!C	4	1212; 1400; 3661; 4106
Psp5II	RG!GWCCY	1	1397
Psp6I	!CCWGG	17	88; 281; 794; 842; 938; 953; 1082; 1502; 2676; 2731; 2748; 3527; 4106; 4209; 4899; 4912; 5033
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	1344
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	17	88; 281; 794; 842; 938; 953; 1082; 1502; 2676; 2731; 2748; 3527; 4106; 4209; 4899; 4912; 5033
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	21	467; 675; 735; 1126; 1398; 1555; 1638; 1779; 2297; 2318; 2330; 2521; 2682; 2754; 3143; 3178; 4026; 4105; 4150; 4993; 5032
PspOMI	G!GGCCC	0	



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNNNN!	3	125; 2872; 3871
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3274
PspPI	G!GNCC	16	83; 276; 769; 1012; 1104; 1125; 1209; 1397; 1448; 1554; 2249; 3658; 4103; 4149; 4207; 4240
PspPPI	RG!GWCCY	1	1397
PspPRI	CCYCAGNNNNNNNNNNNNNNNNNN!	3	2695; 2767; 4273
PspPRI	!NNNNNNNNNNNNNNCTGRGG	5	864; 1292; 1476; 2608; 3803
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	2	1400; 4243
PstI	CTGCA!G	0	
PstNI	CAGNNN!CTG	3	1286; 4243; 4651
PsuI	R!GATCY	13	585; 1159; 1333; 1611; 1777; 1786; 3313; 3559; 3951; 4310; 4322; 4408; 4419
PsyI	GACN!NNGTC	1	3260
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	3	1489; 2640; 3248
RcaI	T!CATGA	2	2568; 4340
RceI	CATCGACNNNNNNNNNNNNNNNNNNNN!	2	1400; 3657
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	1	1871
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	1	1437
RruI	TCG!CGA	0	
RsaI	GT!AC	12	219; 244; 299; 332; 383; 540; 664; 814; 1066; 1620; 1771; 3448
RsaNI	G!TAC	12	218; 243; 298; 331; 382; 539; 663; 813; 1065; 1619; 1770; 3447
RseI	CAYNN!NNRTG	5	365; 613; 652; 1057; 3579
RsrII	CG!GWCCG	1	3658
Rsr2I	CG!GWCCG	1	3658
SacI	GAGCT!C	1	1344
SacII	CCGC!GG	0	
SalI	G!TCGAC	0	
SapI	GCTCTCN!	0	
SapI	!NNNNGAAGAGC	3	623; 3486; 3696
SaqAI	T!TAA	18	7; 638; 863; 1319; 1843; 1904; 2025; 2046; 2057; 2069; 2080; 2097; 2195; 2466; 4285; 4299; 4304; 4356
SatI	GC!NGC	37	768; 819; 963; 1080; 1261; 1412; 1451; 1588; 1759; 1919; 2438; 2460; 2474; 2912; 3051; 3103; 3114; 3204; 3209; 3246; 3287; 3374; 3377; 3380; 3616; 3712; 3753; 3767; 3881; 4220; 4235; 4446; 4652; 4655; 4720; 4863; 5018
Sau96I	G!GNCC	16	83; 276; 769; 1012; 1104; 1125; 1209; 1397; 1448; 1554; 2249; 3658; 4103; 4149; 4207; 4240
Sau3AI	!GATC	27	585; 983; 1133; 1159; 1333; 1571; 1611; 1721; 1777; 1786; 1799; 2979; 2983; 3002; 3313; 3391; 3472; 3481; 3559; 3935; 3951; 4310; 4322; 4400; 4408; 4419; 4494
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	1	1771
SchI	GAGTCNNNNN!	3	908; 2194; 2626
SchI	!NNNNNGACTC	7	404; 1322; 1426; 1573; 2201; 3807; 4684
SciI	CTC!GAG	1	1339
ScrFI	CC!NGG	26	90; 283; 796; 844; 940; 955; 1084; 1193; 1359; 1460; 1461; 1504; 1576; 2678; 2733; 2750; 3146; 3306; 3529; 3919; 4108; 4211; 4683; 4901; 4914; 5035
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	6	1050; 1118; 2720; 2792; 2961; 4903

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	2	3297; 3782
SdeOSI	GACNNNNRTGANNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	15	676; 703; 736; 1313; 1344; 1630; 1641; 2333; 3088; 3181; 3255; 3445; 3507; 4217; 4750
SelI	!CGCG	16	58; 1409; 2028; 2064; 2440; 2460; 2484; 2515; 3206; 3507; 3945; 4029; 4092; 4161; 4434; 5015
SetI	ASST!	71	125; 137; 178; 261; 308; 342; 447; 552; 568; 635; 662; 758; 808; 829; 980; 1115; 1133; 1184; 1252; 1256; 1271; 1295; 1344; 1350; 1402; 1471; 1491; 1496; 1648; 1707; 1757; 1832; 1853; 1862; 1874; 1923; 2090; 2205; 2217; 2260; 2297; 2347; 2370; 2494; 2642; 2737; 2930; 3043; 3171; 3250; 3261; 3333; 3404; 3448; 3708; 3854; 3898; 4229; 4260; 4319; 4362; 4505; 4526; 4625; 4762; 4777; 4796; 4808; 4852; 4898; 4949
SexAI	A!CCWGGT	1	2731
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	7	857; 1958; 2721; 2793; 3441; 3505; 3780
SfaNI	!NNNNNNNNNGATGC	8	357; 1010; 1049; 1178; 3100; 3355; 3571; 4963
SfcI	C!TRYAG	3	2477; 4604; 4795
SfiI	GGCCNNNN!NGGCC	1	2917
SfoI	GGC!GCC	1	3143
Sfr274I	C!TCGAG	1	1337
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	1	3824
SgeI	CNNGNNNNNNNNN!	204	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 624; 660; 678; 708; 732; 750; 765; 807; 822; 855; 889; 902; 930; 951; 966; 993; 1027; 1048; 1068; 1081; 1095; 1113; 1126; 1143; 1158; 1176; 1197; 1231; 1269; 1292; 1310; 1337; 1351; 1365; 1407; 1422; 1440; 1458; 1471; 1498; 1515; 1530; 1561; 1587; 1603; 1635; 1677; 1693; 1723; 1740; 1767; 1796; 1849; 1878; 1920; 2003; 2041; 2077; 2161; 2183; 2215; 2252; 2270; 2289; 2304; 2346; 2363; 2380; 2415; 2429; 2446; 2468; 2492; 2516; 2581; 2595; 2633; 2649; 2689; 2702; 2721; 2744; 2761; 2774; 2793; 2823; 2844; 2861; 2884; 2919; 2946; 2977; 2999; 3025; 3047; 3066; 3094; 3130; 3149; 3172; 3186; 3206; 3219; 3233; 3252; 3266; 3285; 3317; 3331; 3344; 3370; 3401; 3414; 3431; 3448; 3462; 3479; 3497; 3512; 3540; 3556; 3575; 3597; 3613; 3636; 3655; 3680; 3699; 3719; 3746; 3770; 3803; 3822; 3850; 3864; 3930; 3954; 3969; 3992; 4013; 4030; 4078; 4105; 4119; 4148; 4172; 4205; 4222; 4242; 4255; 4268; 4326; 4353; 4372; 4402; 4427; 4447; 4461; 4486; 4504; 4541; 4579; 4608; 4636; 4650; 4670; 4685; 4706; 4720; 4739; 4757; 4773; 4813; 4833; 4860; 4878; 4899; 4912; 4925; 4942; 4966; 4989; 5021; 5046; 5073; 5095
SgeI	!NNNNNNNNNNNNNCNNG	178	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 598; 634; 652; 682; 706; 724; 748; 781; 829; 863; 904; 925; 967; 1001; 1022; 1042; 1069; 1087; 1108; 1132; 1150; 1171; 1205; 1243; 1266; 1284; 1311; 1331; 1381; 1414; 1432; 1472; 1489; 1509; 1535; 1561; 1582; 1609; 1651; 1672; 1697; 1714; 1741; 1770; 1823; 1852; 1894; 1977; 2015; 2051; 2135; 2157; 2189; 2226; 2244; 2263; 2320; 2337; 2354; 2389; 2407; 2427; 2447; 2466; 2490; 2555; 2607; 2663; 2695; 2718; 2735; 2767; 2797; 2818; 2835; 2858; 2893; 2920; 2951; 2973; 2999; 3021; 3040; 3068; 3104; 3123; 3146; 3167; 3185; 3202; 3226; 3259; 3291; 3318; 3344; 3375; 3405; 3422; 3448; 3471; 3492; 3514; 3534; 3554; 3571; 3610; 3629; 3654; 3673; 3693; 3720; 3744; 3777; 3796; 3824; 3846; 3904; 3928; 3947; 3966; 3987; 4004; 4052; 4079; 4099; 4122; 4146; 4179; 4196; 4216; 4242; 4300; 4327; 4346; 4376; 4401; 4421; 4460; 4478; 4515; 4553; 4582; 4610; 4631; 4659; 4680; 4713; 4731; 4787; 4807; 4834; 4852; 4873; 4899; 4916; 4940; 4963; 4995; 5020; 5047; 5069; 5098
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 2289; 4076; 4869

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SimI	!GACCC	4	106; 3570; 4138; 4386
SinI	G!GWCC	4	1209; 1397; 3658; 4103
SlaI	C!TCGAG	1	1337
SmaI	CCC!GGG	1	1461
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	5	365; 613; 652; 1057; 3579
SmlI	C!TYRAG	7	1183; 1337; 1343; 3533; 4415; 4692; 4954
SmoI	C!TYRAG	7	1183; 1337; 1343; 3533; 4415; 4692; 4954
SmuI	CCCGCNNNN!	10	93; 119; 286; 1077; 1179; 2464; 2819; 2840; 4036; 4168
SmuI	!NNNNNNGCGGG	6	1114; 2395; 3265; 3802; 3940; 4087
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2712; 2784; 3547
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	12	18; 1320; 1600; 1892; 1956; 2034; 2060; 2071; 2718; 2790; 2882; 4300
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCCT	0	
SseBI	AGG!CCT	1	2963
SsiI	C!CGC	35	58; 86; 98; 112; 279; 507; 589; 932; 1070; 1172; 1451; 2457; 2460; 2474; 2564; 2812; 2824; 2833; 2845; 2855; 2866; 2912; 3051; 3114; 3616; 3661; 3727; 3753; 3878; 3881; 4029; 4161; 4468; 4612; 5108
SsiI	G!CGG	29	370; 403; 528; 767; 1079; 1121; 1390; 1411; 1758; 2402; 2429; 2517; 2627; 3208; 3272; 3373; 3376; 3656; 3711; 3809; 3947; 4094; 4234; 4477; 4722; 4843; 4862; 4989; 5017
SspI	AAT!ATT	2	2050; 2603
SspDI	G!GCGCC	1	3141
SspD5I	GGTANNNNNNNN!	4	376; 1005; 4213; 4329
SspD5I	!NNNNNNNNNTCACC	5	893; 1652; 1743; 2258; 3319
SstI	GAGCT!C	1	1344
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	938
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	20	92; 118; 285; 860; 1076; 1178; 1199; 1466; 2341; 2463; 2818; 2839; 3152; 3555; 3694; 3765; 4035; 4167; 4397; 4835
Sth132I	!NNNNNNNNCGGG	25	15; 407; 470; 909; 1113; 1350; 1386; 1452; 1567; 1587; 2342; 2394; 2495; 3222; 3264; 3297; 3801; 3910; 3939; 4086; 4190; 4221; 4674; 4718; 4926
Sth302II	CC!GG	25	602; 1194; 1326; 1359; 1461; 1519; 1576; 1632; 1785; 2361; 3048; 3125; 3147; 3175; 3306; 3396; 3463; 3644; 3919; 3927; 4019; 4493; 4683; 4709; 4856
StrI	C!TCGAG	1	1337
StsI	GGATGNNNNNNNNN!	4	3010; 3467; 3492; 3946
StsI	!NNNNNNNNNNNNNNCATCC	5	689; 777; 834; 989; 2814
StuI	AGG!CCT	1	2963
StyI	C!CWWGG	7	360; 611; 1352; 2871; 2964; 3574; 3979
StyD4I	!CCNGG	26	88; 281; 794; 842; 938; 953; 1082; 1191; 1357; 1458; 1459; 1502; 1574; 2676; 2731; 2748; 3144; 3304; 3527; 3917; 4106; 4209; 4681; 4899; 4912; 5033
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	16	76; 198; 269; 543; 581; 678; 1659; 1714; 2233; 3522; 3638; 3746; 4069; 4560; 5030; 5101
TaiI	ACGT!	16	125; 137; 178; 261; 342; 447; 980; 1256; 2205; 2217; 2260; 2370; 3261; 3448; 4229; 4362
TaqI	T!CGA	16	761; 788; 1256; 1338; 1376; 2291; 2982; 3255; 3411; 3435; 3471; 3633; 3824; 3869; 4124; 4962
TaqII	GACCGANNNNNNNNNN!	3	2162; 3179; 3847
TaqII	!NNNNNNNNNTCGGTC	1	4091
TaqII	CACCCANNNNNNNNNN!	2	751; 856
TaqII	!NNNNNNNNNTGGGTG	3	172; 3046; 3638
TasI	!AATT	12	18; 1320; 1600; 1892; 1956; 2034; 2060; 2071; 2718; 2790; 2882; 4300
TatI	W!GTACW	6	217; 297; 330; 381; 662; 1769
TauI	GCSG!C	20	770; 1082; 1414; 1453; 1761; 2462; 2476; 2914; 3053; 3116; 3211; 3376; 3379; 3618; 3714; 3755; 3883; 4237; 4865; 5020
TfiI	G!AWTC	7	749; 1226; 3627; 3761; 3871; 3908; 5086

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TliI	C!TCGAG	1	1337
TruI	T!TAA	18	7; 638; 863; 1319; 1843; 1904; 2025; 2046; 2057; 2069; 2080; 2097; 2195; 2466; 4285; 4299; 4304; 4356
Tru9I	T!TAA	18	7; 638; 863; 1319; 1843; 1904; 2025; 2046; 2057; 2069; 2080; 2097; 2195; 2466; 4285; 4299; 4304; 4356
TscAI	CASTGNN!	7	1589; 1662; 1988; 3271; 4381; 4652; 4665
TseI	G!CWGC	17	818; 962; 1260; 1587; 1918; 2437; 3102; 3203; 3245; 3286; 3379; 3766; 4219; 4445; 4651; 4654; 4719
TsoI	TARCCANNNNNNNNNNN!	2	2114; 2461
TsoI	!NNNNNNNNNTGGYTA	3	787; 1919; 3671
Tsp45I	!GTSAC	6	900; 1653; 1659; 2431; 3262; 3568
Tsp509I	!AATT	12	18; 1320; 1600; 1892; 1956; 2034; 2060; 2071; 2718; 2790; 2882; 4300
TspDTI	ATGAANNNNNNNNNNN!	5	670; 1754; 1900; 3201; 3905
TspDTI	!NNNNNNNNNTTCAT	6	26; 798; 819; 3619; 4075; 4282
TspEI	!AATT	12	18; 1320; 1600; 1892; 1956; 2034; 2060; 2071; 2718; 2790; 2882; 4300
TspGWI	ACGGANNNNNNNNNNN!	1	4017
TspGWI	!NNNNNNNNNTCCGT	1	1431
TspMI	C!CCGGG	1	1459
TspRI	CASTGNN!	7	1589; 1662; 1988; 3271; 4381; 4652; 4665
TstI	CACNNNNNTCCNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNNN!	0	
TstI	!NNNNNNNCCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	3260
Tth111II	CAARCANNNNNNNNNNN!	1	4469
Tth111III	!NNNNNNNNNTGYTTG	3	3577; 4437; 4476
UnbI	!GGNCC	16	82; 275; 768; 1011; 1103; 1124; 1208; 1396; 1447; 1553; 2248; 3657; 4102; 4148; 4206; 4239
Van9II	CCANNNN!NTGG	1	1218
Vha464I	C!TTAAG	0	
VneI	G!TGCAC	2	699; 4746
VpaK11AI	!GGWCC	4	1208; 1396; 3657; 4102
VpaK11BI	G!GWCC	4	1209; 1397; 3658; 4103
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	1600; 1956; 2060; 2071
XbaI	T!CTAGA	1	1789
XceI	RCATG!Y	5	651; 2712; 2784; 3547; 5064
XcmI	CCANNNNN!NNNTGG	0	
XhoI	C!TCGAG	1	1337
XhoII	R!GATCY	13	585; 1159; 1333; 1611; 1777; 1786; 3313; 3559; 3951; 4310; 4322; 4408; 4419
XmaI	C!CCGGG	1	1459
XmaJI	C!CTAGG	2	2964; 3979
XmiI	GT!MKAC	1	1199
XmnI	GAANN!NNTTC	1	1468
XspI	C!TAG	10	592; 1298; 1681; 1790; 1991; 2409; 2965; 3980; 4314; 4567
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	1	1771
Zsp2I	ATGCA!T	3	2714; 2786; 5117