

pTurboYFP-dest1 vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	1694; 1899
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	1982; 2938; 4727
AatI	AGG!CCT	1	2732
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	640
AccII	CG!CG	21	60; 651; 767; 998; 1037; 1322; 1352; 1560; 1835; 2211; 2231; 2255; 2286; 2977; 3278; 3716; 3800; 3863; 3932; 4205; 4786
AccIII	T!CCGGA	1	1393
Acc16I	TGC!GCA	1	3013
Acc36I	ACCTGCNNNN!	2	3179; 3629
Acc36I	!NNNNNNNNGCAGGT	1	2798
Acc65I	G!GTACC	1	645
AccB1I	G!GYRCC	7	465; 645; 688; 877; 2064; 2910; 2945
AccB7I	CCANNNN!NTGG	1	1080
AccBSI	CCG!CTC	2	2335; 3524
AccBSI	GAG!CGG	3	1499; 2171; 3578
AceIII	CAGCTCNNNNNNN!	1	1867
AceIII	!NNNNNNNNNNGAGCTG	3	552; 895; 915
AcI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 649; 765; 996; 1320; 1365; 1441; 1558; 2226; 2229; 2243; 2333; 2581; 2593; 2602; 2614; 2624; 2635; 2681; 2820; 2883; 3385; 3430; 3496; 3522; 3647; 3650; 3798; 3930; 4237; 4381; 4877
AcI	G!CGG	31	370; 403; 528; 651; 686; 767; 1244; 1247; 1447; 1453; 1499; 2171; 2198; 2286; 2396; 2977; 3041; 3142; 3145; 3425; 3480; 3578; 3716; 3863; 4003; 4246; 4491; 4612; 4631; 4758; 4786
AcII	AA!CGTT	0	
AcIWI	GGATCNNNN!	10	668; 1546; 1559; 2779; 3090; 3336; 3728; 4087; 4185; 4271
AcIWI	!NNNNNGATCC	7	580; 655; 705; 3155; 3699; 4086; 4183
AcoI	Y!GGCCR	9	747; 1050; 1071; 1211; 1555; 2817; 2991; 3382; 3409
AcsI	R!AATY	4	629; 1725; 1829; 1840
AcuI	CTGAAGNNNNNNNNNNNNNNN!	5	931; 1174; 1357; 3057; 3489
AcuI	!NNNNNNNNNNNNNNCTTCAG	2	741; 4287
AcvI	CAC!GTG	3	1077; 1260; 1290
AcyI	GR!CGYC	10	122; 175; 258; 444; 689; 878; 1385; 2911; 3613; 3692
AdeI	CACNNN!GTG	1	2027
AfaI	GT!AC	12	219; 244; 299; 332; 383; 540; 647; 898; 1030; 1123; 1270; 3217
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	23	49; 720; 771; 845; 1002; 1080; 1243; 1446; 1923; 2249; 2641; 2892; 3436; 3717; 3749; 3881; 3916; 3966; 3998; 4351; 4630; 4796; 4814
AfIII	C!TTAAG	1	1793
AfIII	A!CRYGT	1	4829
AgeI	A!CCGGT	1	666
AgsI	TTS!AA	9	990; 1062; 1101; 1167; 2322; 2366; 2376; 2789; 4365
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	15	88; 281; 844; 854; 1052; 1490; 2445; 2500; 2517; 3296; 3875; 3978; 4668; 4681; 4802
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	856
AlfI	GCANNNNNTGCNNNNNNNNNNNN!	2	2485; 2557
AlfI	!NNNNNNNNNGCANNNNNTGC	2	2451; 2523
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	1	1993
AloI	!NNNNNNNGGANNNNNNGTTC	1	796
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	1	828
AloI	!NNNNNNNGAACNNNNNTCC	1	1961
AluI	AG!CT	20	566; 618; 624; 909; 929; 1044; 1283; 1296; 1406; 1690; 1857; 2114; 2409; 2697; 3017; 3475; 4272; 4529; 4575; 4665
AluBI	AG!CT	20	566; 618; 624; 909; 929; 1044; 1283; 1296; 1406; 1690; 1857; 2114; 2409; 2697; 3017; 3475; 4272; 4529; 4575; 4665
AlwI	GGATCNNNN!	10	668; 1546; 1559; 2779; 3090; 3336; 3728; 4087; 4185; 4271
AlwI	!NNNNNGATCC	7	580; 655; 705; 3155; 3699; 4086; 4183
Alw21I	GWGCW!C	6	620; 853; 1259; 3024; 3214; 4519
Alw26I	GTCTCN!	2	434; 1417
Alw26I	!NNNNNGAGAC	5	1336; 2335; 2753; 3772; 3900
Alw44I	G!TGCAC	2	1255; 4515
AlwNI	CAGNNN!CTG	2	4012; 4420
Ama87I	C!YCGRG	4	613; 656; 904; 1264
Aor13HI	T!CCGGA	1	1393
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	1	657
ApaBI	GCANNNNN!TGC	4	1526; 2479; 2551; 4013
ApaLI	G!TGCAC	2	1255; 4515
ApeKI	G!CWGC	19	683; 929; 1022; 1190; 1473; 1519; 1687; 2206; 2871; 2972; 3014; 3055; 3148; 3535; 3988; 4214; 4420; 4423; 4488
ApoI	R!AATTY	4	629; 1725; 1829; 1840
ApyPI	ATCGACNNNNNNNNNNNNNNNNNNNN!	1	3426
ApyPI	!NNNNNNNNNNNNNNNNNNNGTCGAT	3	3220; 3873; 4711
AquII	GCCGNACNNNNNNNNNNNNNNNNNNNN!	1	3310
AquII	!NNNNNNNNNNNNNNNNNNNGTNCGGC	1	878
AquIII	GAGGAGNNNNNNNNNNNNNNNNNNNN!	1	2739
AquIII	!NNNNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNNCTCCYC	1	3481
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNNNGTC	0	
ArsI	CRAANNNNNNGTCNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	28	586; 610; 661; 711; 1135; 1182; 1216; 1315; 1418; 1539; 1552; 1569; 2749; 2753; 2772; 3083; 3161; 3242; 3251; 3329; 3705; 3721; 4080; 4092; 4170; 4178; 4189; 4264
AsiGI	A!CCGGT	1	666
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3029
Asp700I	GAANN!NNTTC	1	916
Asp718I	G!GTACC	1	645
AspA2I	C!CTAGG	2	2733; 3748
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	29	597; 691; 880; 959; 1000; 1162; 1352; 1354; 1458; 2177; 2185; 2211; 2233; 2242; 2255; 2286; 2905; 2913; 2977; 3014; 3280; 3540; 3716; 3802; 4205; 4314; 4488; 4588; 4655
AspS9I	G!GNCC	12	83; 276; 654; 901; 1249; 1506; 2018; 3427; 3872; 3918; 3976; 4009
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	627; 3593
AsuC2I	CC!SGG	6	657; 658; 2915; 3075; 3688; 4452
AsuHPI	GGTGANNNNNNNN!	5	376; 870; 1017; 3982; 4098
AsuHPI	!NNNNNNNTCACC	7	957; 1098; 1176; 1309; 1504; 2028; 3089
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	4	613; 656; 904; 1264
AvaII	G!GWCC	3	1506; 3427; 3872
AviII	TGC!GCA	1	3013

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AvrII	C!CTAGG	2	2733; 3748
AxyI	CC!TNAGG	2	2391; 4023
BaeI	ACNNNNGTAYCNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGC!C	9	657; 839; 845; 1259; 1265; 1491; 2857; 2950; 4519
BalI	TGG!CCA	4	749; 1052; 1073; 2993
BamHI	G!GATCC	1	660
BanI	G!GYRCC	7	465; 645; 688; 877; 2064; 2910; 2945
BanII	GRGCY!C	5	620; 657; 2102; 3276; 3986
BanIII	AT!CGAT	1	2751
BarI	GAAGNNNNNTACNNNNNNNNNN!	1	936
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	1	904
BasI	CCANNNN!NTGG	1	1080
BauI	C!ACGAG	3	1177; 3629; 4656
BauI	C!TCGTG	1	3503
BbeI	GGCGC!C	3	692; 881; 2914
Bbr7I	GAAGACNNNNNN!	0	
Bbr7I	!NNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	3	1077; 1260; 1290
BbsI	GAAGACNN!	0	
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	4	936; 2481; 2553; 3316
BbvI	GCAGCNNNNNNNN!	10	695; 1034; 1202; 1531; 1699; 2984; 3026; 3547; 4000; 4500
BbvI	!NNNNNNNNNNGCTGC	8	916; 1460; 2193; 2858; 3042; 3135; 4201; 4407
Bbv12I	GWGCW!C	6	620; 853; 1259; 3024; 3214; 4519
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	6	970; 1246; 2041; 2605; 3131; 3633
BccI	!NNNNNGATGG	10	723; 739; 934; 973; 1063; 1459; 1497; 2009; 2789; 3217
BceAI	ACGGCNNNNNNNNNN!	7	720; 795; 891; 915; 1164; 3337; 3824
BceAI	!NNNNNNNNNNGCCGT	4	1339; 2052; 2870; 4329
BceFI	ACGGCNNNNNNNNNN!	7	720; 795; 891; 915; 1164; 3337; 3824
BceFI	!NNNNNNNNNNGCCGT	4	1340; 2053; 2871; 4330
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNGCANNNNNTCG	0	
BcgI	GCANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNN!	3	2340; 3130; 4631
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	6	657; 658; 2915; 3075; 3688; 4452
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNN!	1	4764
BdaI	!NNNNNNNNNNTGANNNNNNTCA	1	4730
BfaI	C!TAG	9	592; 1535; 1566; 1760; 2178; 2734; 3749; 4083; 4336
BfiI	ACTGGGNNNNN!	1	2860
BfiI	!NNNCCCAGT	4	289; 804; 876; 2612
BfmI	C!TRYAG	5	634; 1517; 2246; 4373; 4564
BfoI	RGCGC!Y	8	598; 692; 881; 1163; 2178; 2186; 2914; 4589
BfrI	C!TTAAG	1	1793
BfuI	GTATCCNNNNN!	3	2340; 3130; 4631
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	2	3179; 3629
BfuAI	!NNNNNNNNGCAGGT	1	2798
BfuCI	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
BglI	GCCNNNN!NGGC	4	90; 212; 283; 2686
BglII	A!GATCT	2	609; 1417

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BisI	GC!NGC	41	684; 687; 768; 930; 1023; 1191; 1245; 1248; 1365; 1454; 1474; 1520; 1558; 1688; 2207; 2229; 2243; 2681; 2820; 2872; 2883; 2973; 2978; 3015; 3056; 3143; 3146; 3149; 3385; 3481; 3522; 3536; 3650; 3989; 4004; 4215; 4421; 4424; 4489; 4632; 4787
BlnI	C!CTAGG	2	2733; 3748
BlpI	GC!TNAGC	1	1297
BlsI	GCN!GC	41	685; 688; 769; 931; 1024; 1192; 1246; 1249; 1366; 1455; 1475; 1521; 1559; 1689; 2208; 2230; 2244; 2682; 2821; 2873; 2884; 2974; 2979; 3016; 3057; 3144; 3147; 3150; 3386; 3482; 3523; 3537; 3651; 3990; 4005; 4216; 4422; 4425; 4490; 4633; 4788
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	3	1506; 3427; 3872
Bme1390I	CC!NGG	21	90; 283; 657; 658; 846; 856; 1054; 1492; 2447; 2502; 2519; 2915; 3075; 3298; 3688; 3877; 3980; 4452; 4670; 4683; 4804
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	4	613; 656; 904; 1264
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	12	84; 277; 655; 902; 1250; 1507; 2019; 3428; 3873; 3919; 3977; 4010
BmiI	GGN!NCC	22	467; 647; 655; 662; 690; 879; 903; 1251; 1392; 2066; 2087; 2099; 2290; 2451; 2523; 2912; 2947; 3795; 3874; 3919; 4762; 4801
BmrI	ACTGGGNNNNN!	1	2860
BmrI	!NNNNCCCAGT	4	289; 804; 876; 2612
BmrFI	CC!NGG	21	90; 283; 657; 658; 846; 856; 1054; 1492; 2447; 2502; 2519; 2915; 3075; 3298; 3688; 3877; 3980; 4452; 4670; 4683; 4804
BmsI	GCATCNNNNN!	7	770; 1727; 2490; 2562; 3210; 3274; 3549
BmsI	!NNNNNNNNNGATGC	7	357; 774; 795; 2869; 3124; 3340; 4732
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	1	2860
BmuI	!NNNNCCCAGT	4	289; 804; 876; 2612
BoxI	GACNN!NNGTC	0	
BpiI	GAAGACNN!	0	
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNCTCNNNNNNNNNNNN!	2	2700; 3599
BpI	!NNNNNNNGAGNNNNNCTC	2	2668; 3567
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	3	867; 1114; 3751
BpmI	!NNNNNNNNNNNNNNCTCCAG	1	3694
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	2	627; 3593
Bpu1102I	GC!TNAGC	1	1297
BpuAI	GAAGACNN!	0	
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4205; 4744
BpuEI	!NNNNNNNNNNNNNNCTCAAG	3	604; 3287; 4446
BpuMI	CC!SGG	6	657; 658; 2915; 3075; 3688; 4452
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	1	1417
BsaI	!NNNNNGAGACC	2	1336; 3900
Bsa29I	AT!CGAT	1	2751
BsaAI	YAC!GTR	8	340; 720; 948; 1077; 1260; 1290; 2027; 3215
BsaBI	GATNN!NNATC	2	1573; 2770
BsaHI	GR!CGYC	10	122; 175; 258; 444; 689; 878; 1385; 2911; 3613; 3692
BsaJI	C!CNNGG	24	360; 649; 656; 702; 765; 844; 854; 1001; 1053; 1355; 1431; 1490; 2445; 2517; 2640; 2675; 2684; 2733; 3074; 3343; 3748; 3876; 3979; 4669
BsaMI	GAATGCN!	1	1662
BsaMI	G!CATTC	1	1755
BsaWI	W!CCGGW	8	600; 666; 1393; 1408; 2942; 3786; 4476; 4623
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	1991
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	1961
BsbI	CAACACNNNNNNNNNNNNNNNNNN!	0	

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BsbI	!NNNNNNNNNNNNNNNNNNNGTGTTG	2	1912; 3819
Bsc4I	CCNNNNN!NNGG	23	49; 720; 771; 845; 1002; 1080; 1243; 1446; 1923; 2249; 2641; 2892; 3436; 3717; 3749; 3881; 3916; 3966; 3998; 4351; 4630; 4796; 4814
BscAI	GCATCNNNN!	7	769; 1726; 2489; 2561; 3209; 3273; 3548
BscAI	!NNNNNNGATGC	7	360; 777; 798; 2872; 3127; 3343; 4735
BseI	ACTGGN!	3	2855; 3056; 4302
BseI	C!CAGT	7	295; 810; 882; 1940; 2618; 4414; 4427
Bse8I	GATNN!NNATC	2	1573; 2770
Bse2II	CC!TNAGG	2	2391; 4023
Bse118I	R!CCGGY	9	666; 826; 1186; 1387; 1443; 2128; 3230; 3411; 3694
BseAI	T!CCGGA	1	1393
BseBI	CC!WGG	15	90; 283; 846; 856; 1054; 1492; 2447; 2502; 2519; 3298; 3877; 3980; 4670; 4683; 4804
BseCI	AT!CGAT	1	2751
BseDI	C!CNNGG	24	360; 649; 656; 702; 765; 844; 854; 1001; 1053; 1355; 1431; 1490; 2445; 2517; 2640; 2675; 2684; 2733; 3074; 3343; 3748; 3876; 3979; 4669
Bse3DI	GCAATGNN!	2	744; 3144
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	10	750; 810; 1074; 1311; 1467; 1508; 2771; 3228; 3253; 3707
BseGI	!CATCC	2	761; 2597
BseJI	GATNN!NNATC	2	1573; 2770
BseLI	CCNNNNN!NNGG	23	49; 720; 771; 845; 1002; 1080; 1243; 1446; 1923; 2249; 2641; 2892; 3436; 3717; 3749; 3881; 3916; 3966; 3998; 4351; 4630; 4796; 4814
BseMI	GCAATGNN!	2	744; 3144
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	3	620; 1428; 4037
BseMII	!NNNNNNNNCTGAG	6	1288; 2382; 2684; 3565; 4137; 4546
BseNI	ACTGGN!	3	2855; 3056; 4302
BseNI	C!CAGT	7	295; 810; 882; 1940; 2618; 4414; 4427
BsePI	G!CGCGC	1	1350
BseRI	GAGGAGNNNNNNNNNN!	1	2729
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGC!C	9	657; 839; 845; 1259; 1265; 1491; 2857; 2950; 4519
BseXI	GCAGC!NNNNNNNN!	10	695; 1034; 1202; 1531; 1699; 2984; 3026; 3547; 4000; 4500
BseXI	!NNNNNNNNNNNGCTGC	8	916; 1460; 2193; 2858; 3042; 3135; 4201; 4407
BseX3I	C!GGCCG	2	1555; 2817
BseYI	C!CCAGC	3	2454; 2526; 4525
BseYI	G!CTGGG	2	1080; 3415
BsgI	GTGCAGNNNNNNNNNNNNNN!	1	970
BsgI	!NNNNNNNNNNNNNNCTGCAC	1	804
Bsh1236I	CG!CG	21	60; 651; 767; 998; 1037; 1322; 1352; 1560; 1835; 2211; 2231; 2255; 2286; 2977; 3278; 3716; 3800; 3863; 3932; 4205; 4786
Bsh1285I	CGRY!CG	4	671; 1558; 2820; 4495
BshFI	GG!CC	29	84; 277; 655; 749; 902; 1052; 1073; 1141; 1151; 1213; 1250; 1557; 1877; 2019; 2674; 2680; 2689; 2732; 2819; 2993; 3384; 3411; 3920; 3977; 4010; 4355; 4789; 4807; 4818
BshNI	G!GYRCC	7	465; 645; 688; 877; 2064; 2910; 2945
BshTI	A!CCGGT	1	666
BshVI	AT!CGAT	1	2751
BsiEI	CGRY!CG	4	671; 1558; 2820; 4495
BsiHKAI	GWGCW!C	6	620; 853; 1259; 3024; 3214; 4519
BsiHKCI	C!YCGRG	4	613; 656; 904; 1264
BsiSI	C!CGG	25	601; 657; 667; 827; 1187; 1388; 1394; 1409; 1444; 2129; 2816; 2893; 2915; 2943; 3074; 3164; 3231; 3412; 3687; 3695; 3787; 4261; 4451; 4477; 4624
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	23	49; 720; 771; 845; 1002; 1080; 1243; 1446; 1923; 2249; 2641; 2892; 3436; 3717; 3749; 3881; 3916; 3966; 3998; 4351; 4630; 4796; 4814
BsIFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3062; 3594; 3703
BsIFI	!NNNNNNNNNNNNNGTCCC	4	2427; 2499; 2563; 3858
BsmI	GAATGCN!	1	1662
BsmI	G!CATTC	1	1755

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BsmAI	GTCTCN!	2	434; 1417
BsmAI	!NNNNNGAGAC	5	1336; 2335; 2753; 3772; 3900
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3062; 3594; 3703
BsmFI	!NNNNNNNNNNNNNGTCCC	4	2427; 2499; 2563; 3858
BsnI	GG!CC	29	84; 277; 655; 749; 902; 1052; 1073; 1141; 1151; 1213; 1250; 1557; 1877; 2019; 2674; 2680; 2689; 2732; 2819; 2993; 3384; 3411; 3920; 3977; 4010; 4355; 4789; 4807; 4818
Bso31I	GGTCTCN!	1	1417
Bso31I	!NNNNNGAGACC	2	1336; 3900
BsoBI	C!YCGRG	4	613; 656; 904; 1264
Bsp13I	T!CCGGA	1	1393
Bsp19I	C!CATGG	4	360; 1431; 2640; 3343
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 3714
Bsp24I	!NNNNNNCCANNNNNGTC	2	4135; 4313
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4167; 4345
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 3682
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	627; 3593
Bsp120I	G!GGCCC	1	653
Bsp143I	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
Bsp1286I	GDGCH!C	16	620; 657; 839; 845; 853; 1259; 1265; 1491; 2102; 2857; 2950; 3024; 3214; 3276; 3986; 4519
Bsp1407I	T!GTACA	2	1028; 1121
Bsp1720I	GC!TNAGC	1	1297
BspACI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 649; 765; 996; 1320; 1365; 1441; 1558; 2226; 2229; 2243; 2333; 2581; 2593; 2602; 2614; 2624; 2635; 2681; 2820; 2883; 3385; 3430; 3496; 3522; 3647; 3650; 3798; 3930; 4237; 4381; 4877
BspACI	G!CGG	31	370; 403; 528; 651; 686; 767; 1244; 1247; 1447; 1453; 1499; 2171; 2198; 2286; 2396; 2977; 3041; 3142; 3145; 3425; 3480; 3578; 3716; 3863; 4003; 4246; 4491; 4612; 4631; 4758; 4786
BspCNI	CTCAGNNNNNNNN!	3	619; 1427; 4036
BspCNI	!NNNNNNNCTGAG	6	1289; 2383; 2685; 3566; 4138; 4547
BspDI	AT!CGAT	1	2751
BspD6I	GACTCNNNN!	6	418; 612; 1570; 1984; 3590; 4467
BspD6I	!NNNNNGAGTC	2	1947; 2379
BspEI	T!CCGGA	1	1393
BspFNI	CG!CG	21	60; 651; 767; 998; 1037; 1322; 1352; 1560; 1835; 2211; 2231; 2255; 2286; 2977; 3278; 3716; 3800; 3863; 3932; 4205; 4786
BspHI	T!CATGA	2	2337; 4109
BspLI	GGN!NCC	22	467; 647; 655; 662; 690; 879; 903; 1251; 1392; 2066; 2087; 2099; 2290; 2451; 2523; 2912; 2947; 3795; 3874; 3919; 4762; 4801
BspMI	ACCTGCNNNN!	2	3179; 3629
BspMI	!NNNNNNNGCAGGT	1	2798
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	10	668; 1546; 1559; 2779; 3090; 3336; 3728; 4087; 4185; 4271
BspPI	!NNNNNGATCC	7	580; 655; 705; 3155; 3699; 4086; 4183
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	3	1150; 3255; 3465
BspTI	C!TTAAG	1	1793
BspT104I	TT!CGAA	2	627; 3593
BspT107I	G!GYRCC	7	465; 645; 688; 877; 2064; 2910; 2945
BspTNI	GGTCTCN!	1	1417
BspTNI	!NNNNNGAGACC	2	1336; 3900
BsrI	ACTGGN!	3	2855; 3056; 4302
BsrI	C!CAGT	7	295; 810; 882; 1940; 2618; 4414; 4427
BsrBI	CCG!CTC	2	2335; 3524
BsrBI	GAG!CGG	3	1499; 2171; 3578
BsrDI	GCAATGNN!	2	744; 3144
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	9	666; 826; 1186; 1387; 1443; 2128; 3230; 3411; 3694

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrGI	T!GTACA	2	1028; 1121
BsrSI	ACTGGN!	3	2855; 3056; 4302
BsrSI	C!CAGT	7	295; 810; 882; 1940; 2618; 4414; 4427
BssAI	R!CCGGY	9	666; 826; 1186; 1387; 1443; 2128; 3230; 3411; 3694
BssECI	C!CNNGG	24	360; 649; 656; 702; 765; 844; 854; 1001; 1053; 1355; 1431; 1490; 2445; 2517; 2640; 2675; 2684; 2733; 3074; 3343; 3748; 3876; 3979; 4669
BssHII	G!CGCGC	1	1350
BssKI	!CCNGG	21	88; 281; 655; 656; 844; 854; 1052; 1490; 2445; 2500; 2517; 2913; 3073; 3296; 3686; 3875; 3978; 4450; 4668; 4681; 4802
BssMI	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
BssNI	GR!CGYC	10	122; 175; 258; 444; 689; 878; 1385; 2911; 3613; 3692
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	1177; 3629; 4656
BssSI	C!TCGTG	1	3503
BssT1I	C!CWWGG	6	360; 1431; 2640; 2733; 3343; 3748
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	4	1150; 2378; 3255; 3465
Bst98I	C!TTAAG	1	1793
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	10	122; 175; 258; 444; 689; 878; 1385; 2911; 3613; 3692
BstAFI	C!TTAAG	1	1793
BstAPI	GCANNNN!NTGC	4	1525; 2478; 2550; 4012
BstAUI	T!GTACA	2	1028; 1121
BstBI	TT!CGAA	2	627; 3593
Bst2BI	C!ACGAG	3	1177; 3629; 4656
Bst2BI	C!TCGTG	1	3503
BstBAI	YAC!GTR	8	340; 720; 948; 1077; 1260; 1290; 2027; 3215
Bst4CI	ACN!GT	16	76; 198; 269; 543; 581; 645; 1347; 1510; 2002; 3291; 3407; 3515; 3838; 4329; 4799; 4870
BstC8I	GCN!NGC	33	86; 279; 593; 653; 789; 934; 1352; 1445; 1471; 2130; 2173; 2187; 2460; 2479; 2532; 2551; 2805; 2991; 3210; 3276; 3282; 3314; 3355; 3359; 3413; 3696; 3883; 3930; 3986; 4008; 4219; 4779; 4816
BstDEI	C!TNAG	9	606; 1297; 1414; 2391; 2693; 3574; 4023; 4146; 4555
BstDSI	C!CRYGG	8	360; 649; 702; 765; 1355; 1431; 2640; 3343
BstEII	G!GTNACC	2	858; 1005
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	10	750; 810; 1074; 1311; 1467; 1508; 2771; 3228; 3253; 3707
BstF5I	!CATCC	2	761; 2597
BstFNI	CG!CG	21	60; 651; 767; 998; 1037; 1322; 1352; 1560; 1835; 2211; 2231; 2255; 2286; 2977; 3278; 3716; 3800; 3863; 3932; 4205; 4786
BstH2I	RGCGC!Y	8	598; 692; 881; 1163; 2178; 2186; 2914; 4589
BstHHI	GCG!C	29	597; 691; 880; 959; 1000; 1162; 1352; 1354; 1458; 2177; 2185; 2211; 2233; 2242; 2255; 2286; 2905; 2913; 2977; 3014; 3280; 3540; 3716; 3802; 4205; 4314; 4488; 4588; 4655
BstKTI	GAT!C	28	588; 612; 663; 713; 1137; 1184; 1218; 1317; 1420; 1541; 1554; 1571; 2751; 2755; 2774; 3085; 3163; 3244; 3253; 3331; 3707; 3723; 4082; 4094; 4172; 4180; 4191; 4266
BstMAI	GTCTCN!	2	434; 1417
BstMAI	!NNNNGAGAC	5	1336; 2335; 2753; 3772; 3900
BstMBI	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
BstMCI	CGRY!CG	4	671; 1558; 2820; 4495
BstMWI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 767; 788; 827; 884; 1157; 1196; 1453; 1525; 2138; 2168; 2195; 2237; 2478; 2550; 2601; 2680; 2902; 2986; 3009; 3148; 3271; 3354; 3621; 3808; 4012; 4211; 4783
BstNI	CC!WGG	15	90; 283; 846; 856; 1054; 1492; 2447; 2502; 2519; 3298; 3877; 3980; 4670; 4683; 4804
BstNSI	RCATG!Y	5	936; 2481; 2553; 3316; 4833
BstOI	CC!WGG	15	90; 283; 846; 856; 1054; 1492; 2447; 2502; 2519; 3298; 3877; 3980; 4670; 4683; 4804
BstPI	G!GTNACC	2	858; 1005

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstPAI	GACNN!NNGTC	0	
BstSCI	!CCNGG	21	88; 281; 655; 656; 844; 854; 1052; 1490; 2445; 2500; 2517; 2913; 3073; 3296; 3686; 3875; 3978; 4450; 4668; 4681; 4802
BstSFI	C!TRYAG	5	634; 1517; 2246; 4373; 4564
BstSLI	GKGCMLC	9	657; 839; 845; 1259; 1265; 1491; 2857; 2950; 4519
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	21	60; 651; 767; 998; 1037; 1322; 1352; 1560; 1835; 2211; 2231; 2255; 2286; 2977; 3278; 3716; 3800; 3863; 3932; 4205; 4786
Bst2UI	CC!WGG	15	90; 283; 846; 856; 1054; 1492; 2447; 2502; 2519; 3298; 3877; 3980; 4670; 4683; 4804
BstV1I	GCAGCNNNNNNNN!	10	695; 1034; 1202; 1531; 1699; 2984; 3026; 3547; 4000; 4500
BstV1I	!NNNNNNNNNNNGCTGC	8	916; 1460; 2193; 2858; 3042; 3135; 4201; 4407
BstV2I	GAAGACNN!	0	
BstV2I	!NNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	12	585; 609; 660; 710; 1417; 3082; 3328; 3720; 4079; 4091; 4177; 4188
BstYI	R!GATCY	12	585; 609; 660; 710; 1417; 3082; 3328; 3720; 4079; 4091; 4177; 4188
BstZI	C!GGCCG	2	1555; 2817
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2340; 3130; 4631
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	2751
Bsu36I	CC!TNAGG	2	2391; 4023
BsuRI	GG!CC	29	84; 277; 655; 749; 902; 1052; 1073; 1141; 1151; 1213; 1250; 1557; 1877; 2019; 2674; 2680; 2689; 2732; 2819; 2993; 3384; 3411; 3920; 3977; 4010; 4355; 4789; 4807; 4818
BsuTUI	AT!CGAT	1	2751
BtgI	C!CRYGG	8	360; 649; 702; 765; 1355; 1431; 2640; 3343
BtgZI	GCGATGNNNNNNNNNN!	5	797; 845; 992; 2028; 3363
BtgZI	!NNNNNNNNNNNNNNCATCGC	3	334; 3182; 3526
BthCI	GCNG!C	41	686; 689; 770; 932; 1025; 1193; 1247; 1250; 1367; 1456; 1476; 1522; 1560; 1690; 2209; 2231; 2245; 2683; 2822; 2874; 2885; 2975; 2980; 3017; 3058; 3145; 3148; 3151; 3387; 3483; 3524; 3538; 3652; 3991; 4006; 4217; 4423; 4426; 4491; 4634; 4789
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	2	1113; 1750
BtsCI	GGATGNN!	10	750; 810; 1074; 1311; 1467; 1508; 2771; 3228; 3253; 3707
BtsCI	!CATCC	2	761; 2597
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	3179; 3629
BveI	!NNNNNNNNNGCAGGT	1	2798
Cac8I	GCN!NGC	33	86; 279; 593; 653; 789; 934; 1352; 1445; 1471; 2130; 2173; 2187; 2460; 2479; 2532; 2551; 2805; 2991; 3210; 3276; 3282; 3314; 3355; 3359; 3413; 3696; 3883; 3930; 3986; 4008; 4219; 4779; 4816
CaiI	CAGNNN!CTG	2	4012; 4420
CciI	T!CATGA	2	2337; 4109
CciNI	GC!GGCCGC	0	
CdiI	CATC!G	7	352; 1209; 1242; 3200; 3205; 3403; 3544
CdiI	C!GATG	6	783; 831; 939; 978; 2014; 3349
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	4783
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 2572; 2614
CelII	GC!TNAGC	1	1297
CfoI	GCG!C	29	597; 691; 880; 959; 1000; 1162; 1352; 1354; 1458; 2177; 2185; 2211; 2233; 2242; 2255; 2286; 2905; 2913; 2977; 3014; 3280; 3540; 3716; 3802; 4205; 4314; 4488; 4588; 4655
CfrI	Y!GGCCR	9	747; 1050; 1071; 1211; 1555; 2817; 2991; 3382; 3409
Cfr9I	C!CCGGG	1	656
Cfr10I	R!CCGGY	9	666; 826; 1186; 1387; 1443; 2128; 3230; 3411; 3694
Cfr13I	G!GNCC	12	83; 276; 654; 901; 1249; 1506; 2018; 3427; 3872; 3918; 3976; 4009
Cfr42I	CCGC!GG	2	652; 768

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
ChaI	GATC!	28	589; 613; 664; 714; 1138; 1185; 1219; 1318; 1421; 1542; 1555; 1572; 2752; 2756; 2775; 3086; 3164; 3245; 3254; 3332; 3708; 3724; 4083; 4095; 4173; 4181; 4192; 4267
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	6	1138; 1503; 2728; 4168; 4268; 4346
CjeI	!NNNNNNNNNACNNNNNNNTGG	7	64; 257; 2395; 2490; 3682; 4232; 4787
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 2429; 2524; 3716; 4266; 4821
CjeI	!NNNNNNNNCCANNNNNNGT	6	1104; 1469; 2694; 4134; 4234; 4312
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	2	4168; 4346
CjePI	!NNNNNNNNNGANNNNNNNTGG	4	257; 1032; 3682; 4281
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	4	290; 1065; 3715; 4314
CjePI	!NNNNNNNNCCANNNNNNNNTC	2	4135; 4313
Clal	AT!CGAT	1	2751
CpoI	CG!GWCCG	1	3427
CseI	GACGCNNNNN!	4	526; 1393; 3621; 3700
CseI	!NNNNNNNNNNNGCGTC	3	2244; 4139; 4717
CsiI	A!CCWGGT	1	2500
CspI	CG!GWCCG	1	3427
Csp6I	G!TAC	12	218; 243; 298; 331; 382; 539; 646; 897; 1029; 1122; 1269; 3216
Csp45I	TT!CGAA	2	627; 3593
CspAI	A!CCGGT	1	666
CspCI	CAANNNNNGTGGNNNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNNN!	3	1364; 2191; 3800
CstMI	!NNNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	20	301; 361; 678; 933; 1278; 1432; 1479; 2338; 2478; 2550; 2641; 2782; 3127; 3313; 3344; 3370; 3726; 4110; 4830; 4881
CviJI	RG!CY	96	42; 84; 93; 277; 566; 618; 624; 655; 749; 776; 902; 909; 929; 944; 1044; 1052; 1058; 1073; 1141; 1151; 1213; 1250; 1283; 1296; 1334; 1406; 1430; 1436; 1522; 1557; 1580; 1690; 1857; 1877; 2019; 2100; 2114; 2128; 2409; 2450; 2522; 2645; 2674; 2680; 2689; 2697; 2720; 2732; 2738; 2819; 2836; 2844; 2871; 2896; 2980; 2989; 2993; 3017; 3055; 3131; 3148; 3167; 3230; 3274; 3284; 3301; 3384; 3411; 3415; 3452; 3475; 3491; 3671; 3698; 3759; 3881; 3920; 3977; 3984; 3991; 4010; 4021; 4272; 4301; 4344; 4355; 4420; 4499; 4524; 4529; 4575; 4665; 4763; 4789; 4807; 4818
CviKI-1	RG!CY	96	42; 84; 93; 277; 566; 618; 624; 655; 749; 776; 902; 909; 929; 944; 1044; 1052; 1058; 1073; 1141; 1151; 1213; 1250; 1283; 1296; 1334; 1406; 1430; 1436; 1522; 1557; 1580; 1690; 1857; 1877; 2019; 2100; 2114; 2128; 2409; 2450; 2522; 2645; 2674; 2680; 2689; 2697; 2720; 2732; 2738; 2819; 2836; 2844; 2871; 2896; 2980; 2989; 2993; 3017; 3055; 3131; 3148; 3167; 3230; 3274; 3284; 3301; 3384; 3411; 3415; 3452; 3475; 3491; 3671; 3698; 3759; 3881; 3920; 3977; 3984; 3991; 4010; 4021; 4272; 4301; 4344; 4355; 4420; 4499; 4524; 4529; 4575; 4665; 4763; 4789; 4807; 4818
CviQI	G!TAC	12	218; 243; 298; 331; 382; 539; 646; 897; 1029; 1122; 1269; 3216
DdeI	C!TNAG	9	606; 1297; 1414; 2391; 2693; 3574; 4023; 4146; 4555
DinI	GGC!GCC	3	690; 879; 2912
DpnI	GA!TC	28	587; 611; 662; 712; 1136; 1183; 1217; 1316; 1419; 1540; 1553; 1570; 2750; 2754; 2773; 3084; 3162; 3243; 3252; 3330; 3706; 3722; 4081; 4093; 4171; 4179; 4190; 4265
DpnII	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
DraI	TTT!AAA	3	1613; 4055; 4074
DraII	RG!GNCCY	1	4009
DraIII	CACNNN!GTG	1	2027
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	3	266; 920; 4391
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNNN!NNGTC	3	1982; 2938; 4727
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	1	1400
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DseDI	GACNNNN!NNGTC	3	1982; 2938; 4727
EaeI	Y!GGCCR	9	747; 1050; 1071; 1211; 1555; 2817; 2991; 3382; 3409
EagI	C!GGCCG	2	1555; 2817
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	1150; 2378; 3255; 3465
Eam1105I	GACNNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	1150; 2378; 3255; 3465
EciI	GGCGGANNNNNNNNNNNN!	4	2411; 3440; 4627; 4773
EciI	!NNNNNNNNNTCCGCC	4	496; 2582; 2603; 2624
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	2	1555; 2817
Eco24I	GRGCY!C	5	620; 657; 2102; 3276; 3986
Eco31I	GGTCTCN!	1	1417
Eco31I	!NNNNGAGACC	2	1336; 3900
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	3	1506; 3427; 3872
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	2	1555; 2817
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	5	931; 1174; 1357; 3057; 3489
Eco57I	!NNNNNNNNNNNNNNCTTCAG	2	741; 4287
Eco72I	CAC!GTG	3	1077; 1260; 1290
Eco81I	CC!TNAGG	2	2391; 4023
Eco88I	C!YCGRG	4	613; 656; 904; 1264
Eco91I	G!GTNACC	2	858; 1005
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	6	360; 1431; 2640; 2733; 3343; 3748
Eco147I	AGG!CCT	1	2732
EcoHI	!CCSGG	6	655; 656; 2913; 3073; 3686; 4450
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	8	867; 931; 1114; 1174; 1357; 3057; 3489; 3751
Eco57MI	!NNNNNNNNNNNNNNCTYCAG	3	741; 3694; 4287
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	2	858; 1005
Eco0109I	RG!GNCCY	1	4009
EcoRI	G!AATTC	1	629
EcoRII	!CCWGG	15	88; 281; 844; 854; 1052; 1490; 2445; 2500; 2517; 3296; 3875; 3978; 4668; 4681; 4802
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	6	360; 1431; 2640; 2733; 3343; 3748
EcoT22I	ATGCA!T	3	2483; 2555; 4886
EcoT38I	GRGCY!C	5	620; 657; 2102; 3276; 3986
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	3	690; 879; 2912
EheI	GGC!GCC	3	690; 879; 2912
ErhI	C!CWWGG	6	360; 1431; 2640; 2733; 3343; 3748
EsaBC3I	TC!GA	18	615; 628; 641; 972; 1014; 1383; 1423; 2061; 2752; 3025; 3181; 3205; 3241; 3403; 3594; 3639; 3894; 4732
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNGAGACC	0	
FaeI	CATG!	20	304; 364; 681; 936; 1281; 1435; 1482; 2341; 2481; 2553; 2644; 2785; 3130; 3316; 3347; 3373; 3729; 4113; 4833; 4884
Fail	YA!TR	57	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 679; 934; 1279; 1330; 1433; 1480; 1573; 1583; 1649; 1694; 1899; 2327; 2339; 2470; 2479; 2542; 2551; 2575; 2642; 2666; 2783; 2847; 3128; 3153; 3314; 3345; 3371; 3443; 3659; 3727; 3805; 3857; 4018; 4035; 4037; 4039; 4111; 4389; 4578; 4694; 4767; 4831; 4882
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	2	1179; 3251
FalI	!NNNNNNNNAAGNNNNNCTT	2	1147; 3219
FaqI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3062; 3594; 3703
FaqI	!NNNNNNNNNNNNNGTCCC	4	2427; 2499; 2563; 3858
FatI	!CATG	20	300; 360; 677; 932; 1277; 1431; 1478; 2337; 2477; 2549; 2640; 2781; 3126; 3312; 3343; 3369; 3725; 4109; 4829; 4880
FauI	CCCGCNNNN!	10	93; 119; 286; 1003; 1448; 2233; 2588; 2609; 3805; 3937
FauI	!NNNNNGCGGG	7	644; 1492; 2164; 3034; 3571; 3709; 3856

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	0	
FblI	GT!MKAC	1	640
FmuI	GGNC!C	12	86; 279; 657; 904; 1252; 1509; 2021; 3430; 3875; 3921; 3979; 4012
Fnu4HI	GC!NGC	41	684; 687; 768; 930; 1023; 1191; 1245; 1248; 1365; 1454; 1474; 1520; 1558; 1688; 2207; 2229; 2243; 2681; 2820; 2872; 2883; 2973; 2978; 3015; 3056; 3143; 3146; 3149; 3385; 3481; 3522; 3536; 3650; 3989; 4004; 4215; 4421; 4424; 4489; 4632; 4787
FokI	GGATGNNNNNNNNNN!	10	757; 817; 1081; 1318; 1474; 1515; 2778; 3235; 3260; 3714
FokI	!NNNNNNNNNNNNNNCATCC	2	748; 2584
FriOI	GRGCY!C	5	620; 657; 2102; 3276; 3986
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3013
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	9	592; 1535; 1566; 1760; 2178; 2734; 3749; 4083; 4336
FspEI	CCNNNNNNNNNNNN!	167	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 662; 677; 705; 727; 763; 778; 801; 822; 837; 851; 867; 885; 906; 950; 975; 1008; 1023; 1066; 1087; 1122; 1155; 1176; 1200; 1227; 1248; 1264; 1278; 1300; 1326; 1348; 1368; 1386; 1401; 1422; 1444; 1490; 1504; 1522; 1536; 1571; 1594; 1633; 1647; 1788; 1883; 1907; 1930; 1953; 1971; 1993; 2014; 2033; 2052; 2081; 2102; 2116; 2142; 2230; 2256; 2305; 2346; 2364; 2403; 2419; 2457; 2514; 2529; 2586; 2606; 2620; 2637; 2651; 2688; 2703; 2746; 2829; 2896; 2927; 2947; 2962; 3007; 3021; 3087; 3101; 3120; 3136; 3177; 3197; 3244; 3294; 3310; 3330; 3355; 3375; 3398; 3425; 3443; 3469; 3509; 3535; 3559; 3615; 3629; 3657; 3700; 3721; 3756; 3800; 3888; 3912; 3934; 3954; 3970; 3991; 4005; 4024; 4108; 4128; 4156; 4171; 4205; 4247; 4274; 4289; 4334; 4358; 4372; 4394; 4420; 4440; 4464; 4490; 4538; 4557; 4576; 4602; 4637; 4682; 4712; 4726; 4777; 4791; 4816; 4832; 4853; 4882
FspEI	!NNNNNNNNNNNNNNNGG	137	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 628; 652; 671; 689; 709; 727; 752; 778; 812; 831; 860; 884; 926; 958; 988; 1034; 1055; 1078; 1113; 1133; 1172; 1195; 1226; 1288; 1324; 1342; 1373; 1394; 1418; 1438; 1477; 1521; 1539; 1582; 1682; 1751; 1781; 1859; 1908; 1930; 1958; 1994; 2039; 2068; 2104; 2123; 2151; 2171; 2234; 2257; 2365; 2397; 2415; 2444; 2487; 2516; 2627; 2656; 2699; 2720; 2748; 2781; 2801; 2826; 2853; 2878; 2900; 2928; 2954; 2975; 3026; 3047; 3065; 3113; 3149; 3205; 3230; 3254; 3283; 3306; 3330; 3356; 3378; 3397; 3422; 3462; 3498; 3563; 3648; 3672; 3701; 3735; 3756; 3776; 3821; 3848; 3867; 3900; 3952; 3983; 4010; 4062; 4160; 4231; 4276; 4337; 4402; 4436; 4462; 4480; 4516; 4586; 4609; 4631; 4655; 4688; 4736; 4771; 4789; 4846
Fsp4HI	GC!NGC	41	684; 687; 768; 930; 1023; 1191; 1245; 1248; 1365; 1454; 1474; 1520; 1558; 1688; 2207; 2229; 2243; 2681; 2820; 2872; 2883; 2973; 2978; 3015; 3056; 3143; 3146; 3149; 3385; 3481; 3522; 3536; 3650; 3989; 4004; 4215; 4421; 4424; 4489; 4632; 4787
GdiII	C!GGCCR	2	1555; 2817
GdiII	Y!GGCCG	5	1211; 1555; 2817; 3382; 3409
GlaI	GC!GC	29	596; 690; 879; 958; 999; 1161; 1351; 1353; 1457; 2176; 2184; 2210; 2232; 2241; 2254; 2285; 2904; 2912; 2976; 3013; 3279; 3539; 3715; 3801; 4204; 4313; 4487; 4587; 4654
GluI	GC!NGC	41	684; 687; 768; 930; 1023; 1191; 1245; 1248; 1365; 1454; 1474; 1520; 1558; 1688; 2207; 2229; 2243; 2681; 2820; 2872; 2883; 2973; 2978; 3015; 3056; 3143; 3146; 3149; 3385; 3481; 3522; 3536; 3650; 3989; 4004; 4215; 4421; 4424; 4489; 4632; 4787
GsaI	CCCAG!C	3	2458; 2530; 4529
GsaI	GCTGG!G	2	1084; 3419
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	3	867; 1114; 3751
GsuI	!NNNNNNNNNNNNNNCTCCAG	1	3694
HaeI	WGG!CCW	9	749; 1052; 1073; 1141; 2732; 2993; 4355; 4807; 4818
HaeII	RGCG!Y	8	598; 692; 881; 1163; 2178; 2186; 2914; 4589
HaeIII	GG!CC	29	84; 277; 655; 749; 902; 1052; 1073; 1141; 1151; 1213; 1250; 1557; 1877; 2019; 2674; 2680; 2689; 2732; 2819; 2993; 3384; 3411; 3920; 3977; 4010; 4355; 4789; 4807; 4818
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNNN!	4	1442; 1527; 1586; 3107
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	4	1408; 1493; 1552; 3073

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	4	1441; 1526; 1585; 3106
HaeIV	!NNNNNNNGAYNNNNNNRTC	4	1410; 1495; 1554; 3075
HapII	C!CGG	25	601; 657; 667; 827; 1187; 1388; 1394; 1409; 1444; 2129; 2816; 2893; 2915; 2943; 3074; 3164; 3231; 3412; 3687; 3695; 3787; 4261; 4451; 4477; 4624
HgaI	GACGCNNNNN!	4	526; 1393; 3621; 3700
HgaI	!NNNNNNNNNGCGTC	3	2244; 4139; 4717
HhaI	GCG!C	29	597; 691; 880; 959; 1000; 1162; 1352; 1354; 1458; 2177; 2185; 2211; 2233; 2242; 2255; 2286; 2905; 2913; 2977; 3014; 3280; 3540; 3716; 3802; 4205; 4314; 4488; 4588; 4655
HinI	GR!CGYC	10	122; 175; 258; 444; 689; 878; 1385; 2911; 3613; 3692
HinIII	CATG!	20	304; 364; 681; 936; 1281; 1435; 1482; 2341; 2481; 2553; 2644; 2785; 3130; 3316; 3347; 3373; 3729; 4113; 4833; 4884
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	4	1422; 1526; 1585; 3106
Hin4I	!NNNNNNNGABNNNNNNRTC	5	1409; 1494; 1553; 3074; 3104
Hin4I	GABNNNNNRTCNNNNNNNNNNNNN!	5	1441; 1526; 1585; 3106; 3136
Hin4I	!NNNNNNNGAYNNNNNVTC	5	1390; 1409; 1494; 1553; 3074
Hin6I	G!CGC	29	595; 689; 878; 957; 998; 1160; 1350; 1352; 1456; 2175; 2183; 2209; 2231; 2240; 2253; 2284; 2903; 2911; 2975; 3012; 3278; 3538; 3714; 3800; 4203; 4312; 4486; 4586; 4653
HinPII	G!CGC	29	595; 689; 878; 957; 998; 1160; 1350; 1352; 1456; 2175; 2183; 2209; 2231; 2240; 2253; 2284; 2903; 2911; 2975; 3012; 3278; 3538; 3714; 3800; 4203; 4312; 4486; 4586; 4653
HincII	GTY!RAC	2	641; 1674
HindII	GTY!RAC	2	641; 1674
HindIII	A!AGCTT	1	622
HinfI	G!ANTC	15	410; 604; 1089; 1424; 1562; 1954; 1976; 2386; 3396; 3530; 3582; 3640; 3677; 4459; 4855
HpaI	GTT!AAC	1	1674
HpaII	C!CGG	25	601; 657; 667; 827; 1187; 1388; 1394; 1409; 1444; 2129; 2816; 2893; 2915; 2943; 3074; 3164; 3231; 3412; 3687; 3695; 3787; 4261; 4451; 4477; 4624
HphI	GGTGANNNNNNNN!	5	376; 870; 1017; 3982; 4098
HphI	!NNNNNNNTCACC	7	957; 1098; 1176; 1309; 1504; 2028; 3089
Hpy8I	GTN!NAC	11	201; 539; 577; 641; 1029; 1257; 1674; 1958; 1975; 2030; 4517
Hpy99I	CGWCG!	9	645; 1387; 3001; 3029; 3323; 3338; 3615; 4000; 4733
Hpy166II	GTN!NAC	11	201; 539; 577; 641; 1029; 1257; 1674; 1958; 1975; 2030; 4517
Hpy188I	TCN!GA	13	585; 609; 1417; 2085; 2694; 2878; 3222; 3575; 3676; 4155; 4289; 4642; 4720
Hpy188III	TC!NNGA	27	613; 990; 1014; 1062; 1093; 1394; 1421; 1566; 2338; 2390; 2703; 2756; 2929; 3245; 3254; 3337; 3393; 3437; 3527; 3560; 3629; 4110; 4184; 4267; 4365; 4463; 4597
HpyAV	CCTTCNNNNNN!	7	765; 978; 1020; 1173; 3556; 3663; 4342
HpyAV	!NNNNNGAAGG	10	906; 1059; 1332; 2144; 3039; 3768; 3784; 3967; 4284; 4594
HpyCH4III	ACN!GT	16	76; 198; 269; 543; 581; 645; 1347; 1510; 2002; 3291; 3407; 3515; 3838; 4329; 4799; 4870
HpyCH4IV	A!CGT	19	122; 134; 175; 258; 339; 444; 719; 947; 1076; 1259; 1289; 1971; 1983; 2026; 2136; 3027; 3214; 3995; 4128
HpyCH4V	TG!CA	22	636; 821; 932; 951; 1257; 1519; 1660; 1687; 1755; 2472; 2481; 2544; 2553; 2668; 2744; 2803; 2962; 3137; 3151; 4221; 4517; 4884
HpyF3I	C!TNAG	9	606; 1297; 1414; 2391; 2693; 3574; 4023; 4146; 4555
HpyF10VI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 767; 788; 827; 884; 1157; 1196; 1453; 1525; 2138; 2168; 2195; 2237; 2478; 2550; 2601; 2680; 2902; 2986; 3009; 3148; 3271; 3354; 3621; 3808; 4012; 4211; 4783
Hsp92I	GR!CGYC	10	122; 175; 258; 444; 689; 878; 1385; 2911; 3613; 3692
Hsp92II	CATG!	20	304; 364; 681; 936; 1281; 1435; 1482; 2341; 2481; 2553; 2644; 2785; 3130; 3316; 3347; 3373; 3729; 4113; 4833; 4884
HspAI	G!CGC	29	595; 689; 878; 957; 998; 1160; 1350; 1352; 1456; 2175; 2183; 2209; 2231; 2240; 2253; 2284; 2903; 2911; 2975; 3012; 3278; 3538; 3714; 3800; 4203; 4312; 4486; 4586; 4653
KasI	G!GCGCC	3	688; 877; 2910
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	1	649
Kpn2I	T!CCGGA	1	1393
KspI	CCGC!GG	2	652; 768
Ksp22I	T!GATCA	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
KspAI	GTT!AAC	1	1674
Kzo9I	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	3	1150; 3255; 3465
LpnI	RGCI!GCY	8	596; 690; 879; 1161; 2176; 2184; 2912; 4587
LpnPI	CCDGNNNNNNNNN!	66	102; 295; 614; 670; 706; 801; 823; 840; 858; 880; 895; 1066; 1132; 1165; 1200; 1237; 1348; 1401; 1422; 1457; 1504; 1529; 1648; 1953; 2142; 2365; 2403; 2419; 2459; 2514; 2531; 2631; 2716; 2829; 2906; 2928; 2951; 3087; 3101; 3120; 3177; 3244; 3294; 3310; 3367; 3425; 3634; 3700; 3724; 3800; 3889; 3992; 4025; 4256; 4274; 4420; 4440; 4464; 4490; 4539; 4637; 4682; 4712; 4791; 4816; 4853
LpnPI	!NNNNNNNNNNNNNNCHGG	57	75; 268; 552; 586; 642; 812; 831; 937; 1039; 1066; 1113; 1172; 1373; 1394; 1429; 1477; 1994; 2114; 2171; 2234; 2432; 2444; 2504; 2516; 2748; 2793; 2836; 2878; 2900; 2928; 2975; 3037; 3059; 3149; 3216; 3239; 3283; 3378; 3397; 3422; 3571; 3672; 3715; 3772; 3862; 3965; 3992; 4010; 4246; 4283; 4436; 4462; 4602; 4620; 4655; 4736; 4789
Lsp1109I	GCAGCNNNNNNNN!	10	695; 1034; 1202; 1531; 1699; 2984; 3026; 3547; 4000; 4500
Lsp1109I	!NNNNNNNNNNNNNGCTGC	8	916; 1460; 2193; 2858; 3042; 3135; 4201; 4407
LweI	GCATCNNNNNN!	7	770; 1727; 2490; 2562; 3210; 3274; 3549
LweI	!NNNNNNNNNGATGC	7	357; 774; 795; 2869; 3124; 3340; 4732
MabI	A!CCWGGT	1	2500
MaeI	C!TAG	9	592; 1535; 1566; 1760; 2178; 2734; 3749; 4083; 4336
MaeII	A!CGT	19	122; 134; 175; 258; 339; 444; 719; 947; 1076; 1259; 1289; 1971; 1983; 2026; 2136; 3027; 3214; 3995; 4128
MaeIII	!GTNAC	16	61; 148; 497; 858; 1005; 1308; 1510; 1699; 2200; 2212; 3031; 3337; 4027; 4293; 4409; 4472
MalI	GA!TC	28	587; 611; 662; 712; 1136; 1183; 1217; 1316; 1419; 1540; 1553; 1570; 2750; 2754; 2773; 3084; 3162; 3243; 3252; 3330; 3706; 3722; 4081; 4093; 4171; 4179; 4190; 4265
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2335; 3524
MbiI	GAG!CGG	3	1499; 2171; 3578
MboI	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
MboII	GAAGANNNNNNNN!	6	1167; 2167; 2395; 3272; 3482; 4101
MboII	!NNNNNNNTCTTC	4	3562; 3729; 3929; 4172
McaTI	GCGC!GC	1	1353
MfeI	C!AATTG	1	1661
MflI	R!GATCY	12	585; 609; 660; 710; 1417; 3082; 3328; 3720; 4079; 4091; 4177; 4188
MhlI	GDGCH!C	16	620; 657; 839; 845; 853; 1259; 1265; 1491; 2102; 2857; 2950; 3024; 3214; 3276; 3986; 4519
MisI	TGG!CCA	4	749; 1052; 1073; 2993
MluI	A!CGCGT	0	
MluNI	TGG!CCA	4	749; 1052; 1073; 2993
MlyI	GAGTCNNNNNN!	2	1963; 2395
MlyI	!NNNNNGACTC	6	404; 598; 1556; 1970; 3576; 4453
Mly113I	GG!CGCC	3	689; 878; 2911
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	1	2004
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	2	4436; 4620
MnlI	CCTCNNNNNNN!	7	1630; 2694; 3512; 3718; 4032; 4402; 4726
MnlI	!NNNNNGAGG	16	541; 726; 966; 996; 1590; 2055; 2386; 2664; 2707; 2722; 2762; 2826; 2962; 3319; 3749; 4652
Mph1103I	ATGCA!T	3	2483; 2555; 4886
MreI	CG!CCGGCG	1	1443
MroI	T!CCGGA	1	1393
MroNI	G!CCGGC	4	1443; 2128; 3411; 3694
MroXI	GAANN!NNTTC	1	916
MscI	TGG!CCA	4	749; 1052; 1073; 2993
MseI	T!TAA	15	7; 1612; 1673; 1794; 1815; 1826; 1838; 1849; 1866; 1964; 2235; 4054; 4068; 4073; 4125

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MslI	CAYNN!NNRTG	4	365; 856; 1225; 3348
MspI	C!CGG	25	601; 657; 667; 827; 1187; 1388; 1394; 1409; 1444; 2129; 2816; 2893; 2915; 2943; 3074; 3164; 3231; 3412; 3687; 3695; 3787; 4261; 4451; 4477; 4624
Msp20I	TGG!CCA	4	749; 1052; 1073; 2993
MspA1I	CMG!CKG	7	651; 686; 767; 2409; 3017; 4246; 4491
MspCI	C!TTAAG	1	1793
MspJI	CNNRNNNNNNNN!	250	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; 662; 679; 705; 720; 763; 778; 800; 821; 839; 852; 867; 880; 893; 906; 922; 936; 949; 964; 984; 1002; 1026; 1048; 1065; 1087; 1105; 1124; 1140; 1154; 1179; 1199; 1221; 1235; 1249; 1264; 1277; 1290; 1309; 1325; 1347; 1363; 1378; 1400; 1415; 1428; 1444; 1469; 1482; 1496; 1512; 1528; 1547; 1571; 1584; 1599; 1618; 1635; 1648; 1689; 1703; 1716; 1734; 1772; 1787; 1805; 1846; 1870; 1890; 1908; 1929; 1952; 1984; 1999; 2021; 2039; 2052; 2073; 2090; 2103; 2116; 2132; 2145; 2175; 2190; 2215; 2233; 2246; 2261; 2285; 2299; 2323; 2348; 2364; 2402; 2418; 2457; 2471; 2485; 2513; 2529; 2543; 2557; 2586; 2599; 2620; 2629; 2651; 2681; 2697; 2715; 2745; 2768; 2792; 2816; 2835; 2863; 2889; 2905; 2918; 2941; 2955; 2975; 2988; 3002; 3021; 3035; 3048; 3064; 3079; 3092; 3108; 3123; 3139; 3164; 3183; 3199; 3212; 3225; 3243; 3257; 3271; 3287; 3309; 3325; 3344; 3366; 3382; 3405; 3424; 3438; 3454; 3468; 3488; 3504; 3517; 3539; 3572; 3586; 3606; 3619; 3633; 3687; 3700; 3723; 3736; 3755; 3772; 3799; 3835; 3868; 3887; 3912; 3933; 3960; 3973; 3990; 4004; 4019; 4035; 4095; 4120; 4136; 4158; 4171; 4185; 4216; 4230; 4255; 4273; 4288; 4301; 4320; 4333; 4348; 4377; 4396; 4414; 4439; 4454; 4473; 4489; 4508; 4526; 4542; 4556; 4575; 4602; 4625; 4647; 4666; 4681; 4694; 4711; 4731; 4758; 4771; 4790; 4815; 4838; 4852; 4865; 4882
MspJI	!NNNNNNNNNNNNYNG	209	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; 636; 653; 679; 704; 727; 744; 764; 784; 804; 824; 841; 860; 880; 910; 932; 956; 976; 998; 1022; 1039; 1061; 1078; 1105; 1123; 1158; 1180; 1210; 1227; 1244; 1264; 1284; 1307; 1333; 1354; 1374; 1394; 1413; 1430; 1456; 1477; 1502; 1521; 1540; 1563; 1592; 1621; 1663; 1746; 1781; 1808; 1831; 1860; 1904; 1926; 1958; 1994; 2011; 2032; 2069; 2089; 2106; 2123; 2158; 2176; 2194; 2211; 2235; 2257; 2284; 2312; 2338; 2376; 2397; 2414; 2432; 2455; 2476; 2504; 2527; 2548; 2566; 2587; 2604; 2627; 2651; 2671; 2689; 2711; 2742; 2764; 2790; 2809; 2826; 2854; 2873; 2892; 2910; 2928; 2949; 2971; 2995; 3028; 3048; 3066; 3087; 3113; 3140; 3157; 3174; 3191; 3217; 3239; 3261; 3279; 3299; 3318; 3340; 3378; 3398; 3422; 3442; 3462; 3489; 3513; 3546; 3565; 3593; 3615; 3644; 3672; 3697; 3716; 3735; 3756; 3773; 3790; 3821; 3848; 3868; 3891; 3911; 3948; 3965; 3984; 4010; 4030; 4069; 4096; 4115; 4133; 4170; 4188; 4229; 4247; 4273; 4290; 4322; 4351; 4379; 4400; 4423; 4442; 4463; 4481; 4498; 4516; 4542; 4563; 4583; 4603; 4621; 4642; 4668; 4685; 4704; 4723; 4752; 4771; 4789; 4808; 4826; 4844; 4867
MspR9I	CC!NGG	21	90; 283; 657; 658; 846; 856; 1054; 1492; 2447; 2502; 2519; 2915; 3075; 3298; 3688; 3877; 3980; 4452; 4670; 4683; 4804
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1661
MvaI	CC!WGG	15	90; 283; 846; 856; 1054; 1492; 2447; 2502; 2519; 3298; 3877; 3980; 4670; 4683; 4804
Mva1269I	GAATGCN!	1	1662
Mva1269I	G!CATTC	1	1755
MvnI	CG!CG	21	60; 651; 767; 998; 1037; 1322; 1352; 1560; 1835; 2211; 2231; 2255; 2286; 2977; 3278; 3716; 3800; 3863; 3932; 4205; 4786
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 767; 788; 827; 884; 1157; 1196; 1453; 1525; 2138; 2168; 2195; 2237; 2478; 2550; 2601; 2680; 2902; 2986; 3009; 3148; 3271; 3354; 3621; 3808; 4012; 4211; 4783
NaeI	GCC!GGC	4	1445; 2130; 3413; 3696
NarI	GG!CGCC	3	689; 878; 2911
NciI	CC!SGG	6	657; 658; 2915; 3075; 3688; 4452

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NcoI	C!CATGG	4	360; 1431; 2640; 3343
NdeI	CA!TATG	1	234
NdeII	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	2	280; 884
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	0	
NgoAVIII	TCANNNNNNGTCNNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	2	244; 848
NgoMIV	G!CCGGC	4	1443; 2128; 3411; 3694
NheI	G!CTAGC	1	591
NlaIII	CATG!	20	304; 364; 681; 936; 1281; 1435; 1482; 2341; 2481; 2553; 2644; 2785; 3130; 3316; 3347; 3373; 3729; 4113; 4833; 4884
NlaIV	GGN!NCC	22	467; 647; 655; 662; 690; 879; 903; 1251; 1392; 2066; 2087; 2099; 2290; 2451; 2523; 2912; 2947; 3795; 3874; 3919; 4762; 4801
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	4	987; 1743; 2058; 3650
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	2	347; 4722
Nii3877I	CYCGR!G	4	617; 660; 908; 1268
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	3	1026; 2700; 3136
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	1	2665
NmeDI	RCCGGYNNNNNNNN!	9	678; 838; 1198; 1399; 1455; 2140; 3242; 3423; 3706
NmeDI	!NNNNNNNNNNNNRCCGGY	9	653; 813; 1173; 1374; 1430; 2115; 3217; 3398; 3681
NmuCI	!GTSAC	7	858; 1005; 1308; 1510; 2200; 3031; 3337
NotI	GC!GGCCGC	0	
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3013
NsiI	ATGCA!T	3	2483; 2555; 4886
NspI	RCATG!Y	5	936; 2481; 2553; 3316; 4833
NspV	TT!CGAA	2	627; 3593
OliI	CACNN!NNGTG	1	856
PabI	GTA!C	12	220; 245; 300; 333; 384; 541; 648; 899; 1031; 1124; 1271; 3218
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	4	936; 2481; 2553; 3316
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	2	2337; 4109
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	2	3876; 3979
PauI	G!CGCGC	1	1350
PceI	AGG!CCT	1	2732
PciI	A!CATGT	1	4829
PciSI	GCTCTTCN!	0	
PciSI	!NNNNGAAGAGC	3	1150; 3255; 3465
PcsI	WCGNNNN!NNNCGW	6	3205; 3282; 3525; 3599; 3992; 4510
PctI	GAATGCN!	1	1662
PctI	G!CATTC	1	1755
PdiI	GCC!GGC	4	1445; 2130; 3413; 3696
PdmI	GAANN!NNTTC	1	916
PfeI	G!AWTC	7	1089; 1424; 3396; 3530; 3640; 3677; 4855
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3029
PfIMI	CCANNNN!NTGG	1	1080
PfoI	T!CCNGGA	1	3686
PhoI	GG!CC	29	84; 277; 655; 749; 902; 1052; 1073; 1141; 1151; 1213; 1250; 1557; 1877; 2019; 2674; 2680; 2689; 2732; 2819; 2993; 3384; 3411; 3920; 3977; 4010; 4355; 4789; 4807; 4818
PinAI	A!CCGGT	1	666
PlaDI	CATCAGNNNNNNNNNNNNNNNNNN!	1	3292
PlaDI	!NNNNNNNNNNNNNNNNNNCTGATG	2	2857; 3112
PleI	GAGTCNNNN!	2	1962; 2394
PleI	!NNNNNGACTC	6	404; 598; 1556; 1970; 3576; 4453
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	3	1077; 1260; 1290
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	3	1077; 1260; 1290

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PpiI	GAACNNNNNCTCNNNNNNNNNNNNNN!	1	1993
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	4123
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	4155
PpiI	!NNNNNNNGAACNNNNNNCTC	1	1961
PpsI	GAGTCNNNN!	2	1962; 2394
PpsI	!NNNNNGACTC	6	404; 598; 1556; 1970; 3576; 4453
Ppu10I	A!TGCAT	3	2479; 2551; 4882
Ppu21I	YAC!GTR	8	340; 720; 948; 1077; 1260; 1290; 2027; 3215
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	4829
PshAI	GACNN!NNGTC	0	
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	1694; 1899
Psp03I	GGWC!C	3	1509; 3430; 3875
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	15	88; 281; 844; 854; 1052; 1490; 2445; 2500; 2517; 3296; 3875; 3978; 4668; 4681; 4802
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	620
PspCI	CAC!GTG	3	1077; 1260; 1290
PspEI	G!GTNACC	2	858; 1005
PspGI	!CCWGG	15	88; 281; 844; 854; 1052; 1490; 2445; 2500; 2517; 3296; 3875; 3978; 4668; 4681; 4802
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	22	467; 647; 655; 662; 690; 879; 903; 1251; 1392; 2066; 2087; 2099; 2290; 2451; 2523; 2912; 2947; 3795; 3874; 3919; 4762; 4801
PspOMI	G!GGCCC	1	653
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNN!	4	125; 905; 2641; 3640
PspOMII	!NNNNNNNNNNNNNNNNNYTGGGCG	1	3043
PspPI	G!GNCC	12	83; 276; 654; 901; 1249; 1506; 2018; 3427; 3872; 3918; 3976; 4009
PspPPI	RG!GWCCY	0	
PspPRI	CCYAGNNNNNNNNNNNNNNNN!	3	2464; 2536; 4042
PspPRI	!NNNNNNNNNNNNNCTGRGG	3	1114; 2377; 3572
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	1	4012
PstI	CTGCA!G	2	638; 1521
PstNI	CAGNNN!CTG	2	4012; 4420
PsuI	R!GATCY	12	585; 609; 660; 710; 1417; 3082; 3328; 3720; 4079; 4091; 4177; 4188
PsyI	GACN!NNGTC	1	3029
PteI	G!CGCGC	1	1350
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	2409; 3017
RcaI	T!CATGA	2	2337; 4109
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	1	3426
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	1	1640
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	12	219; 244; 299; 332; 383; 540; 647; 898; 1030; 1123; 1270; 3217
RsaNI	G!TAC	12	218; 243; 298; 331; 382; 539; 646; 897; 1029; 1122; 1269; 3216
RseI	CAYNN!NNRTG	4	365; 856; 1225; 3348

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
RsrII	CG!GWCCG	1	3427
Rsr2I	CG!GWCCG	1	3427
SacI	GAGCT!C	1	620
SacII	CCGC!GG	2	652; 768
SalI	G!TCGAC	1	639
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	3	1150; 3255; 3465
SaqAI	T!TAA	15	7; 1612; 1673; 1794; 1815; 1826; 1838; 1849; 1866; 1964; 2235; 4054; 4068; 4073; 4125
SatI	GC!NGC	41	684; 687; 768; 930; 1023; 1191; 1245; 1248; 1365; 1454; 1474; 1520; 1558; 1688; 2207; 2229; 2243; 2681; 2820; 2872; 2883; 2973; 2978; 3015; 3056; 3143; 3146; 3149; 3385; 3481; 3522; 3536; 3650; 3989; 4004; 4215; 4421; 4424; 4489; 4632; 4787
Sau96I	G!GNCC	12	83; 276; 654; 901; 1249; 1506; 2018; 3427; 3872; 3918; 3976; 4009
Sau3AI	!GATC	28	585; 609; 660; 710; 1134; 1181; 1215; 1314; 1417; 1538; 1551; 1568; 2748; 2752; 2771; 3082; 3160; 3241; 3250; 3328; 3704; 3720; 4079; 4091; 4169; 4177; 4188; 4263
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	2	1963; 2395
SchI	!NNNNGACTC	6	404; 598; 1556; 1970; 3576; 4453
SciI	CTC!GAG	1	615
ScrFI	CC!NGG	21	90; 283; 657; 658; 846; 856; 1054; 1492; 2447; 2502; 2519; 2915; 3075; 3298; 3688; 3877; 3980; 4452; 4670; 4683; 4804
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	6	978; 1518; 2489; 2561; 2730; 4672
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	3	1509; 3066; 3551
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	16	620; 657; 839; 845; 853; 1259; 1265; 1491; 2102; 2857; 2950; 3024; 3214; 3276; 3986; 4519
SelI	!CGCG	21	58; 649; 765; 996; 1035; 1320; 1350; 1558; 1833; 2209; 2229; 2253; 2284; 2975; 3276; 3714; 3798; 3861; 3930; 4203; 4784
SetI	ASST!	69	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 722; 757; 803; 874; 911; 931; 950; 970; 1007; 1012; 1046; 1079; 1262; 1285; 1292; 1298; 1375; 1408; 1601; 1622; 1631; 1643; 1692; 1859; 1974; 1986; 2029; 2066; 2116; 2139; 2263; 2411; 2506; 2699; 2812; 2940; 3019; 3030; 3102; 3173; 3217; 3477; 3623; 3667; 3998; 4029; 4088; 4131; 4274; 4295; 4394; 4531; 4546; 4565; 4577; 4621; 4667; 4718
SexAI	A!CCWGGT	1	2500
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	7	770; 1727; 2490; 2562; 3210; 3274; 3549
SfaNI	!NNNNNNNNNGATGC	7	357; 774; 795; 2869; 3124; 3340; 4732
SfcI	C!TRYAG	5	634; 1517; 2246; 4373; 4564
SfiI	GGCCNNNN!NGGCC	1	2686
SfoI	GGC!GCC	3	690; 879; 2912
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	2	652; 768
SfuI	TT!CGAA	2	627; 3593

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNNN!	199	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 625; 662; 679; 705; 720; 778; 800; 822; 839; 852; 867; 894; 916; 936; 949; 964; 984; 1002; 1026; 1048; 1065; 1087; 1105; 1131; 1150; 1164; 1189; 1206; 1221; 1236; 1264; 1278; 1300; 1314; 1333; 1347; 1363; 1380; 1400; 1415; 1433; 1452; 1471; 1491; 1504; 1528; 1547; 1571; 1618; 1647; 1689; 1772; 1846; 1930; 1952; 1984; 2021; 2039; 2058; 2073; 2115; 2132; 2149; 2184; 2198; 2215; 2237; 2261; 2285; 2350; 2364; 2402; 2418; 2458; 2471; 2490; 2513; 2530; 2543; 2562; 2592; 2613; 2630; 2653; 2688; 2715; 2746; 2768; 2794; 2816; 2835; 2863; 2899; 2918; 2941; 2955; 2975; 2988; 3002; 3021; 3035; 3054; 3086; 3100; 3113; 3139; 3170; 3183; 3200; 3217; 3231; 3248; 3266; 3281; 3309; 3325; 3344; 3366; 3382; 3405; 3424; 3449; 3468; 3488; 3515; 3539; 3572; 3591; 3619; 3633; 3699; 3723; 3738; 3761; 3782; 3799; 3847; 3874; 3888; 3917; 3941; 3974; 3991; 4011; 4024; 4037; 4095; 4122; 4141; 4171; 4196; 4216; 4230; 4255; 4273; 4310; 4348; 4377; 4405; 4419; 4439; 4454; 4475; 4489; 4508; 4526; 4542; 4582; 4602; 4629; 4647; 4668; 4681; 4694; 4711; 4735; 4758; 4790; 4815; 4842; 4864
SgeI	!NNNNNNNNNNNNNCNNG	173	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 599; 636; 653; 679; 706; 752; 774; 796; 813; 831; 853; 880; 910; 934; 958; 976; 1000; 1022; 1039; 1061; 1079; 1105; 1124; 1163; 1180; 1210; 1238; 1264; 1288; 1307; 1333; 1354; 1374; 1395; 1418; 1445; 1465; 1486; 1509; 1545; 1592; 1621; 1663; 1746; 1820; 1904; 1926; 1958; 1995; 2013; 2032; 2089; 2106; 2123; 2158; 2176; 2196; 2216; 2235; 2259; 2324; 2376; 2432; 2464; 2487; 2504; 2536; 2566; 2587; 2604; 2627; 2662; 2689; 2720; 2742; 2768; 2790; 2809; 2837; 2873; 2892; 2915; 2936; 2954; 2971; 2995; 3028; 3060; 3087; 3113; 3144; 3174; 3191; 3217; 3240; 3261; 3283; 3303; 3323; 3340; 3379; 3398; 3423; 3442; 3462; 3489; 3513; 3546; 3565; 3593; 3615; 3673; 3697; 3716; 3735; 3756; 3773; 3821; 3848; 3868; 3891; 3915; 3948; 3965; 3985; 4011; 4069; 4096; 4115; 4145; 4170; 4190; 4229; 4247; 4284; 4322; 4351; 4379; 4400; 4428; 4449; 4482; 4500; 4556; 4576; 4603; 4621; 4642; 4668; 4685; 4709; 4732; 4764; 4789; 4816; 4838; 4867
Sgfl	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	2	826; 1443
SgrBI	CCGC!GG	2	652; 768
SgrDI	CG!TCGACC	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 2058; 3845; 4638
SimI	!GACCC	5	106; 992; 3339; 3907; 4155
SinI	G!GWCC	3	1506; 3427; 3872
SlaI	C!TCGAG	1	613
SmaI	CCC!GGG	1	658
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	4	365; 856; 1225; 3348
SmlI	C!TYRAG	7	613; 619; 1793; 3302; 4184; 4461; 4723
SmoI	C!TYRAG	7	613; 619; 1793; 3302; 4184; 4461; 4723
SmuI	CCCGCNNNN!	10	93; 119; 286; 1003; 1448; 2233; 2588; 2609; 3805; 3937
SmuI	!NNNNNNGCGGG	7	644; 1492; 2164; 3034; 3571; 3709; 3856
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	4	936; 2481; 2553; 3316
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	13	18; 629; 984; 1101; 1661; 1725; 1803; 1829; 1840; 2487; 2559; 2651; 4069
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCCT	0	
SseBI	AGG!CCT	1	2732
SsiI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 649; 765; 996; 1320; 1365; 1441; 1558; 2226; 2229; 2243; 2333; 2581; 2593; 2602; 2614; 2624; 2635; 2681; 2820; 2883; 3385; 3430; 3496; 3522; 3647; 3650; 3798; 3930; 4237; 4381; 4877
SsiI	G!CGG	31	370; 403; 528; 651; 686; 767; 1244; 1247; 1447; 1453; 1499; 2171; 2198; 2286; 2396; 2977; 3041; 3142; 3145; 3425; 3480; 3578; 3716; 3863; 4003; 4246; 4491; 4612; 4631; 4758; 4786
SspI	AAT!ATT	2	1819; 2372

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SspDI	G!GCGCC	3	688; 877; 2910
SspD5I	GGTGANNNNNNNN!	5	376; 870; 1017; 3982; 4098
SspD5I	!NNNNNNNNTCACC	7	956; 1097; 1175; 1308; 1503; 2027; 3088
SstI	GAGCT!C	1	620
SstII	CCGC!GG	2	652; 768
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	0	
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	23	92; 118; 285; 663; 845; 911; 944; 1002; 1259; 1271; 1447; 2110; 2232; 2587; 2608; 2921; 3324; 3463; 3534; 3804; 3936; 4166; 4604
Sth132I	!NNNNNNNNCGGG	20	15; 407; 470; 643; 1491; 2111; 2163; 2264; 2991; 3033; 3066; 3570; 3679; 3708; 3855; 3959; 3990; 4443; 4487; 4695
Sth302II	CC!GG	25	602; 658; 668; 828; 1188; 1389; 1395; 1410; 1445; 2130; 2817; 2894; 2916; 2944; 3075; 3165; 3232; 3413; 3688; 3696; 3788; 4262; 4452; 4478; 4625
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNN!	10	758; 818; 1082; 1319; 1475; 1516; 2779; 3236; 3261; 3715
StsI	!NNNNNNNNNNNNNNCATCC	2	747; 2583
StuI	AGG!CCT	1	2732
StyI	C!CWWGG	6	360; 1431; 2640; 2733; 3343; 3748
StyD4I	!CCNGG	21	88; 281; 655; 656; 844; 854; 1052; 1490; 2445; 2500; 2517; 2913; 3073; 3296; 3686; 3875; 3978; 4450; 4668; 4681; 4802
SwaI	ATTT!AAAT	0	
Taal	ACN!GT	16	76; 198; 269; 543; 581; 645; 1347; 1510; 2002; 3291; 3407; 3515; 3838; 4329; 4799; 4870
TaiI	ACGT!	19	125; 137; 178; 261; 342; 447; 722; 950; 1079; 1262; 1292; 1974; 1986; 2029; 2139; 3030; 3217; 3998; 4131
TaqI	T!CGA	18	614; 627; 640; 971; 1013; 1382; 1422; 2060; 2751; 3024; 3180; 3204; 3240; 3402; 3593; 3638; 3893; 4731
TaqII	GACCGANNNNNNNNNN!	4	1327; 1931; 2948; 3616
TaqII	!NNNNNNNNTCGGTC	1	3860
TaqII	CACCCANNNNNNNNNN!	1	1237
TaqII	!NNNNNNNNTGGGTG	3	172; 2815; 3407
TasI	!AATT	13	18; 629; 984; 1101; 1661; 1725; 1803; 1829; 1840; 2487; 2559; 2651; 4069
TatI	W!GTACW	6	217; 297; 330; 381; 1028; 1121
TauI	GCSG!C	22	689; 770; 1247; 1250; 1367; 1456; 1560; 2231; 2245; 2683; 2822; 2885; 2980; 3145; 3148; 3387; 3483; 3524; 3652; 4006; 4634; 4789
TfiI	G!AWTC	7	1089; 1424; 3396; 3530; 3640; 3677; 4855
TliI	C!TCGAG	1	613
TruII	T!TAA	15	7; 1612; 1673; 1794; 1815; 1826; 1838; 1849; 1866; 1964; 2235; 4054; 4068; 4073; 4125
Tru9I	T!TAA	15	7; 1612; 1673; 1794; 1815; 1826; 1838; 1849; 1866; 1964; 2235; 4054; 4068; 4073; 4125
TscAI	CASTGNN!	7	889; 1120; 1757; 3040; 4150; 4421; 4434
TseI	G!CWGC	19	683; 929; 1022; 1190; 1473; 1519; 1687; 2206; 2871; 2972; 3014; 3055; 3148; 3535; 3988; 4214; 4420; 4423; 4488
TsoI	TARCCANNNNNNNNNN!	2	1883; 2230
TsoI	!NNNNNNNNTGGYTA	3	932; 1688; 3440
Tsp45I	!GTSAC	7	858; 1005; 1308; 1510; 2200; 3031; 3337
Tsp509I	!AATT	13	18; 629; 984; 1101; 1661; 1725; 1803; 1829; 1840; 2487; 2559; 2651; 4069
TspDTI	ATGAANNNNNNNNNN!	4	1243; 1669; 2970; 3674
TspDTI	!NNNNNNNNTTCAT	6	26; 804; 1194; 3388; 3844; 4051
TspEI	!AATT	13	18; 629; 984; 1101; 1661; 1725; 1803; 1829; 1840; 2487; 2559; 2651; 4069
TspGWI	ACGGANNNNNNNNNN!	1	3786
TspGWI	!NNNNNNNNTCCGT	0	
TspMI	C!CCGGG	1	656
TspRI	CASTGNN!	7	889; 1120; 1757; 3040; 4150; 4421; 4434
TstI	CACNNNNNNTCCNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNNN!	0	
TstI	!NNNNNNNCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	3029
Tth111II	CAARCANNNNNNNNNN!	1	4238

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Tth111II	!NNNNNNNNNTGYTTG	3	3346; 4206; 4245
UnbI	!GGNCC	12	82; 275; 653; 900; 1248; 1505; 2017; 3426; 3871; 3917; 3975; 4008
Van9II	CCANNNN!NTGG	1	1080
Vha464I	C!TTAAG	1	1793
VneI	G!TGCAC	2	1255; 4515
VpaK11AI	!GGWCC	3	1505; 3426; 3871
VpaK11BI	G!GWCC	3	1506; 3427; 3872
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	629; 1725; 1829; 1840
XbaI	T!CTAGA	1	1565
XceI	RCATG!Y	5	936; 2481; 2553; 3316; 4833
XcmI	CCANNNNN!NNNNTGG	0	
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	12	585; 609; 660; 710; 1417; 3082; 3328; 3720; 4079; 4091; 4177; 4188
XmaI	C!CCGGG	1	656
XmaJI	C!CTAGG	2	2733; 3748
XmiI	GT!MKAC	1	640
XmnI	GAANN!NNTTC	1	916
XspI	C!TAG	9	592; 1535; 1566; 1760; 2178; 2734; 3749; 4083; 4336
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2483; 2555; 4886