

pTurboGFP-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	1655; 1860
AarI	CACCTGCNNNN!	1	1130
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	1943; 2899; 4688
AatI	AGG!CCT	1	2693
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	640
AccII	CG!CG	19	60; 651; 1025; 1181; 1286; 1521; 1796; 2172; 2192; 2216; 2247; 2938; 3239; 3677; 3761; 3824; 3893; 4166; 4747
AccIII	T!CCGGA	0	
Acc16I	TGC!GCA	1	2974
Acc36I	ACCTGCNNNN!	4	857; 1130; 3140; 3590
Acc36I	!NNNNNNNNGCAGGT	1	2759
Acc65I	G!GTACC	1	645
AccB1I	G!GYRCC	10	465; 645; 733; 778; 826; 889; 1051; 2025; 2871; 2906
AccB7I	CCANNNN!NTGG	1	864
AccBSI	CCG!CTC	2	2296; 3485
AccBSI	GAG!CGG	4	695; 1460; 2132; 3539
AceIII	CAGCTCNNNNNNN!	2	1209; 1828
AceIII	!NNNNNNNNNNGAGCTG	3	552; 745; 1300
AciI	C!CGC	44	58; 86; 98; 112; 279; 507; 589; 649; 704; 723; 795; 957; 1008; 1023; 1098; 1164; 1281; 1284; 1402; 1519; 2187; 2190; 2204; 2294; 2542; 2554; 2563; 2575; 2585; 2596; 2642; 2781; 2844; 3346; 3391; 3457; 3483; 3608; 3611; 3759; 3891; 4198; 4342; 4838
AciI	G!CGG	34	370; 403; 528; 651; 695; 767; 770; 902; 941; 980; 1187; 1408; 1414; 1460; 2132; 2159; 2247; 2357; 2938; 3002; 3103; 3106; 3386; 3441; 3539; 3677; 3824; 3964; 4207; 4452; 4573; 4592; 4719; 4747
AcII	AA!CGTT	0	
AcIWI	GGATCNNNN!	11	668; 1304; 1507; 1520; 2740; 3051; 3297; 3689; 4048; 4146; 4232
AcIWI	!NNNNNGATCC	6	580; 655; 3116; 3660; 4047; 4144
AcoI	Y!GGCCR	6	1020; 1516; 2778; 2952; 3343; 3370
AcsI	R!AATY	4	629; 1686; 1790; 1801
AcuI	CTGAAGNNNNNNNNNNNNNNN!	2	3018; 3450
AcuI	!NNNNNNNNNNNNNNCTTCAG	4	822; 984; 1155; 4248
AcvI	CAC!GTG	2	861; 993
AcyI	GR!CGYC	8	122; 175; 258; 444; 827; 2872; 3574; 3653
AdeI	CACNNN!GTG	1	1988
AfaI	GT!AC	10	219; 244; 299; 332; 383; 540; 647; 970; 1330; 3178
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	21	49; 789; 864; 1014; 1287; 1407; 1884; 2210; 2602; 2853; 3397; 3678; 3710; 3842; 3877; 3927; 3959; 4312; 4591; 4757; 4775
AflIII	C!TTAAG	1	1754
AflIII	A!CRYGT	1	4790
AgeI	A!CCGGT	1	666
AgsI	TTS!AA	8	1041; 1227; 1344; 2283; 2327; 2337; 2750; 4326
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	12	88; 281; 1451; 2406; 2461; 2478; 3257; 3836; 3939; 4629; 4642; 4763
AjuI	GAANNNNNNNTTGGNNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	

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AjuI	CCAANNNNNNNNTTCNNNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNNNNNNTTGG	0	
AleI	CACNN!NNGTG	0	
AlfI	GCANNNNNNTGCNNNNNNNNNNNN!	2	2446; 2518
AlfI	!NNNNNNNNNNGCANNNNNNNTGC	2	2412; 2484
AloI	GAACNNNNNNNTCCNNNNNNNNNNNN!	1	1954
AloI	!NNNNNNNGGANNNNNNGTTC	0	
AloI	GGANNNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNNNTCC	1	1922
AluI	AG!CT	20	566; 618; 624; 759; 998; 1004; 1157; 1199; 1314; 1651; 1818; 2075; 2370; 2658; 2978; 3436; 4233; 4490; 4536; 4626
AluBI	AG!CT	20	566; 618; 624; 759; 998; 1004; 1157; 1199; 1314; 1651; 1818; 2075; 2370; 2658; 2978; 3436; 4233; 4490; 4536; 4626
AlwI	GGATCNNNN!	11	668; 1304; 1507; 1520; 2740; 3051; 3297; 3689; 4048; 4146; 4232
AlwI	!NNNNNGATCC	6	580; 655; 3116; 3660; 4047; 4144
Alw21I	GWGCW!C	6	620; 820; 1121; 2985; 3175; 4480
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	4	2296; 2714; 3733; 3861
Alw44I	G!TGCAC	1	4476
AlwNI	CAGNNN!CTG	2	3973; 4381
Ama87I	C!YCGRG	5	613; 656; 784; 1063; 1379
Aor13HI	T!CCGGA	0	
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	2	657; 1267
ApaBI	GCANNNNN!TGC	4	1487; 2440; 2512; 3974
ApaLI	G!TGCAC	1	4476
ApeKI	G!CWGC	18	987; 1100; 1154; 1434; 1480; 1648; 2167; 2832; 2933; 2975; 3016; 3109; 3496; 3949; 4175; 4381; 4384; 4449
ApoI	R!AATTY	4	629; 1686; 1790; 1801
ApyPI	ATCGACNNNNNNNNNNNNNNNNNNNN!	1	3387
ApyPI	!NNNNNNNNNNNNNNNNNNNGTCGAT	3	3181; 3834; 4672
AquI	GCCGNACNNNNNNNNNNNNNNNNNNNN!	1	3271
AquI	!NNNNNNNNNNNNNNNNNNNGTNCGGC	0	
AquIII	GAGGAGNNNNNNNNNNNNNNNNNNNN!	2	1316; 2700
AquIII	!NNNNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNNNCTCCYC	2	1041; 3442
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNNGTC	0	
ArsI	CRAANNNNNNGTCNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNNGACNNNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	29	586; 610; 661; 714; 1029; 1077; 1092; 1144; 1297; 1376; 1500; 1513; 1530; 2710; 2714; 2733; 3044; 3122; 3203; 3212; 3290; 3666; 3682; 4041; 4053; 4131; 4139; 4150; 4225
AsiGI	A!CCGGT	1	666
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	2990
Asp700I	GAANN!NNTTC	1	916
Asp718I	G!GTACC	1	645
AspA2I	C!CTAGG	2	2694; 3709
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	25	597; 829; 1181; 1234; 1419; 2138; 2146; 2172; 2194; 2203; 2216; 2247; 2866; 2874; 2938; 2975; 3241; 3501; 3677; 3763; 4166; 4275; 4449; 4549; 4616
AspS9I	G!GNCC	12	83; 276; 654; 792; 1264; 1467; 1979; 3388; 3833; 3879; 3937; 3970
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	627; 3554
AsuC2I	CC!SGG	7	657; 658; 1351; 2876; 3036; 3649; 4413
AsuHPI	GGTGANNNNNNNN!	5	376; 1056; 1378; 3943; 4059
AsuHPI	!NNNNNNNTCACC	6	720; 1074; 1152; 1465; 1989; 3050
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	5	613; 656; 784; 1063; 1379

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AvaII	G!GWCC	3	1467; 3388; 3833
AviII	TGC!GCA	1	2974
AvrII	C!CTAGG	2	2694; 3709
AxyI	CC!TNAGG	2	2352; 3984
BaeI	ACNNNNGTAYCNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	8	657; 781; 1054; 1267; 1452; 2818; 2911; 4480
BalI	TGG!CCA	1	2954
BamHI	G!GATCC	1	660
BanI	G!GYRCC	10	465; 645; 733; 778; 826; 889; 1051; 2025; 2871; 2906
BanII	GRGCY!C	6	620; 657; 1267; 2063; 3237; 3947
BanIII	AT!CGAT	1	2712
BarI	GAAGNNNNNTACNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNNNTAC	0	
BasI	CCANNNN!NTGG	1	864
BauI	C!ACGAG	2	3590; 4617
BauI	C!TCGTG	1	3464
BbeI	GGCGC!C	2	830; 2875
Bbr7I	GAAGACNNNNNNNN!	0	
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	2	861; 993
BbsI	GAAGACNN!	0	
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	2442; 2514; 3277
BbvI	GCAGCNNNNNNNN!	9	1112; 1166; 1492; 1660; 2945; 2987; 3508; 3961; 4461
BbvI	!NNNNNNNNNNNGCTGC	8	974; 1421; 2154; 2819; 3003; 3096; 4162; 4368
Bbv12I	GWGCW!C	6	620; 820; 1121; 2985; 3175; 4480
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	6	937; 1243; 2002; 2566; 3092; 3594
BccI	!NNNNNGATGG	8	858; 1041; 1144; 1420; 1458; 1970; 2750; 3178
BceAI	ACGGCNNNNNNNNNNNN!	7	759; 888; 954; 993; 1200; 3298; 3785
BceAI	!NNNNNNNNNNNNNGCCGT	3	2013; 2831; 4290
Bcefl	ACGGCNNNNNNNNNNNN!	7	759; 888; 954; 993; 1200; 3298; 3785
Bcefl	!NNNNNNNNNNNNNGCCGT	3	2014; 2832; 4291
BcgI	CGANNNNNNTGCNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	GCANNNNNNTCGNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2301; 3091; 4592
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	7	657; 658; 1351; 2876; 3036; 3649; 4413
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNNNN!	1	4725
BdaI	!NNNNNNNNNNNTGANNNNNNTCA	1	4691
BfaI	C!TAG	9	592; 1496; 1527; 1721; 2139; 2695; 3710; 4044; 4297
BfiI	ACTGGGNNNNN!	1	2821
BfiI	!NNNNCCCAGT	2	289; 2573
BfmI	C!TRYAG	7	634; 1194; 1252; 1478; 2207; 4334; 4525
BfoI	RGCGC!Y	7	598; 830; 1235; 2139; 2147; 2875; 4550
BfrI	C!TTAAG	1	1754
BfuI	GTATCCNNNNNN!	3	2301; 3091; 4592
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	4	857; 1130; 3140; 3590
BfuAI	!NNNNNNNNNGCAGGT	1	2759
BfuCI	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
BglI	GCCNNNN!NGGC	4	90; 212; 283; 2647
BglII	A!GATCT	2	609; 1375

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BisI	GC!NGC	45	696; 723; 768; 795; 903; 942; 981; 988; 1023; 1101; 1155; 1188; 1284; 1415; 1435; 1481; 1519; 1649; 2168; 2190; 2204; 2642; 2781; 2833; 2844; 2934; 2939; 2976; 3017; 3104; 3107; 3110; 3346; 3442; 3483; 3497; 3611; 3950; 3965; 4176; 4382; 4385; 4450; 4593; 4748
BlnI	C!CTAGG	2	2694; 3709
BlpI	GC!TNAGC	1	853
BlsI	GCN!GC	45	697; 724; 769; 796; 904; 943; 982; 989; 1024; 1102; 1156; 1189; 1285; 1416; 1436; 1482; 1520; 1650; 2169; 2191; 2205; 2643; 2782; 2834; 2845; 2935; 2940; 2977; 3018; 3105; 3108; 3111; 3347; 3443; 3484; 3498; 3612; 3951; 3966; 4177; 4383; 4386; 4451; 4594; 4749
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	3	1467; 3388; 3833
Bme1390I	CC!NGG	19	90; 283; 657; 658; 1351; 1453; 2408; 2463; 2480; 2876; 3036; 3259; 3649; 3838; 3941; 4413; 4631; 4644; 4765
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	5	613; 656; 784; 1063; 1379
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	12	84; 277; 655; 793; 1265; 1468; 1980; 3389; 3834; 3880; 3938; 3971
BmiI	GGN!NCC	23	467; 647; 655; 662; 735; 780; 828; 891; 1053; 1265; 2027; 2048; 2060; 2251; 2412; 2484; 2873; 2908; 3756; 3835; 3880; 4723; 4762
BmrI	ACTGGGNNNNN!	1	2821
BmrI	!NNNNCCCACT	2	289; 2573
BmrFI	CC!NGG	19	90; 283; 657; 658; 1351; 1453; 2408; 2463; 2480; 2876; 3036; 3259; 3649; 3838; 3941; 4413; 4631; 4644; 4765
BmsI	GCATCNNNNN!	10	734; 968; 1256; 1328; 1688; 2451; 2523; 3171; 3235; 3510
BmsI	!NNNNNNNNNGATGC	6	357; 1344; 2830; 3085; 3301; 4693
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	1	2821
BmuI	!NNNNCCCACT	2	289; 2573
BoxI	GACNN!NNGTC	0	
BpiI	GAAGACNN!	0	
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	2661; 3560
BpI	!NNNNNNNNNGAGNNNNNCTC	2	2629; 3528
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	3712
BpmI	!NNNNNNNNNNNNNNNCTCCAG	1	3655
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	2	627; 3554
Bpu1102I	GC!TNAGC	1	853
BpuAI	GAAGACNN!	0	
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4166; 4705
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	3	604; 3248; 4407
BpuMI	CC!SGG	7	657; 658; 1351; 2876; 3036; 3649; 4413
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	1	3861
Bsa29I	AT!CGAT	1	2712
BsaAI	YAC!GTR	5	340; 861; 993; 1988; 3176
BsaBI	GATNN!NNATC	3	1142; 1534; 2731
BsaHI	GR!CGYC	8	122; 175; 258; 444; 827; 2872; 3574; 3653
BsaJI	C!CNNGG	26	360; 649; 656; 677; 707; 1064; 1112; 1130; 1202; 1349; 1392; 1451; 2406; 2478; 2601; 2636; 2645; 2694; 3035; 3304; 3709; 3836; 3837; 3939; 3940; 4630
BsaMI	GAATGCN!	1	1623
BsaMI	G!CATTC	1	1716
BsaWI	W!CCGGW	6	600; 666; 2903; 3747; 4437; 4584
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	2	1213; 1952
BsaXI	!NNNNNNNGGAGNNNNNNGT	1	703
BsaXI	GGAGNNNNNNGTNNNNNNNNNN!	1	733
BsaXI	!NNNNNNNNNACNNNNNCTCC	2	1183; 1922

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BsbI	CAACACNNNNNNNNNNNNNNNNNNNN!	2	977; 1331
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	1873; 3780
Bsc4I	CCNNNNN!NNGG	21	49; 789; 864; 1014; 1287; 1407; 1884; 2210; 2602; 2853; 3397; 3678; 3710; 3842; 3877; 3927; 3959; 4312; 4591; 4757; 4775
BscAI	GCATCNNNN!	10	733; 967; 1255; 1327; 1687; 2450; 2522; 3170; 3234; 3509
BscAI	!NNNNNNGATGC	6	360; 1347; 2833; 3088; 3304; 4696
Bse1I	ACTGGN!	3	2816; 3017; 4263
Bse1I	C!CAGT	5	295; 1901; 2579; 4375; 4388
Bse8I	GATNN!NNATC	3	1142; 1534; 2731
Bse21I	CC!TNAGG	2	2352; 3984
Bse118I	R!CCGGY	10	666; 730; 1018; 1054; 1363; 1404; 2089; 3191; 3372; 3655
BseAI	T!CCGGA	0	
BseBI	CC!WGG	12	90; 283; 1453; 2408; 2463; 2480; 3259; 3838; 3941; 4631; 4644; 4765
BseCI	AT!CGAT	1	2712
BseDI	C!CNNGG	26	360; 649; 656; 677; 707; 1064; 1112; 1130; 1202; 1349; 1392; 1451; 2406; 2478; 2601; 2636; 2645; 2694; 3035; 3304; 3709; 3836; 3837; 3939; 3940; 4630
Bse3DI	GCAATGNN!	1	3105
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	8	1155; 1359; 1428; 1469; 2732; 3189; 3214; 3668
BseGI	!CATCC	4	1094; 1235; 1247; 2558
BseJI	GATNN!NNATC	3	1142; 1534; 2731
BseLI	CCNNNNN!NNGG	21	49; 789; 864; 1014; 1287; 1407; 1884; 2210; 2602; 2853; 3397; 3678; 3710; 3842; 3877; 3927; 3959; 4312; 4591; 4757; 4775
BseMI	GCAATGNN!	1	3105
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	2	620; 3998
BseMII	!NNNNNNNNCTGAG	6	844; 2343; 2645; 3526; 4098; 4507
BseNI	ACTGGN!	3	2816; 3017; 4263
BseNI	C!CAGT	5	295; 1901; 2579; 4375; 4388
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	2	1306; 2690
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCMI!	8	657; 781; 1054; 1267; 1452; 2818; 2911; 4480
BseXI	GCAGCNNNNNNNN!	9	1112; 1166; 1492; 1660; 2945; 2987; 3508; 3961; 4461
BseXI	!NNNNNNNNNNNGCTGC	8	974; 1421; 2154; 2819; 3003; 3096; 4162; 4368
BseX3I	C!GGCCG	3	1020; 1516; 2778
BseYI	C!CCAGC	5	898; 1243; 2415; 2487; 4486
BseYI	G!CTGGG	2	1314; 3376
BsgI	GTGCAGNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	3	907; 973; 1108
Bsh1236I	CG!CG	19	60; 651; 1025; 1181; 1286; 1521; 1796; 2172; 2192; 2216; 2247; 2938; 3239; 3677; 3761; 3824; 3893; 4166; 4747
Bsh1285I	CGRY!CG	5	671; 1023; 1519; 2781; 4456
BshFI	GG!CC	26	84; 277; 655; 698; 794; 1018; 1022; 1265; 1518; 1838; 1980; 2635; 2641; 2650; 2693; 2780; 2954; 3345; 3372; 3881; 3938; 3971; 4316; 4750; 4768; 4779
BshNI	G!GYRCC	10	465; 645; 733; 778; 826; 889; 1051; 2025; 2871; 2906
BshTI	A!CCGGT	1	666
BshVI	AT!CGAT	1	2712
BsiEI	CGRY!CG	5	671; 1023; 1519; 2781; 4456
BsiHKAI	GWGCW!C	6	620; 820; 1121; 2985; 3175; 4480
BsiHKCI	C!YCGRG	5	613; 656; 784; 1063; 1379
BsiSI	C!CGG	25	601; 657; 667; 731; 1019; 1055; 1351; 1364; 1405; 2090; 2777; 2854; 2876; 2904; 3035; 3125; 3192; 3373; 3648; 3656; 3748; 4222; 4412; 4438; 4585
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	21	49; 789; 864; 1014; 1287; 1407; 1884; 2210; 2602; 2853; 3397; 3678; 3710; 3842; 3877; 3927; 3959; 4312; 4591; 4757; 4775
BsIFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3023; 3555; 3664
BsIFI	!NNNNNNNNNNNNNGTCCC	4	2388; 2460; 2524; 3819
BsmI	GAATGCN!	1	1623
BsmI	G!CATTC	1	1716
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	4	2296; 2714; 3733; 3861

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BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3023; 3555; 3664
BsmFI	!NNNNNNNNNNNNNGTCCC	4	2388; 2460; 2524; 3819
BsnI	GG!CC	26	84; 277; 655; 698; 794; 1018; 1022; 1265; 1518; 1838; 1980; 2635; 2641; 2650; 2693; 2780; 2954; 3345; 3372; 3881; 3938; 3971; 4316; 4750; 4768; 4779
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACG	1	3861
BsoBI	C!YCGRG	5	613; 656; 784; 1063; 1379
Bsp13I	T!CCGGA	0	
Bsp19I	C!CATGG	7	360; 677; 707; 1130; 1392; 2601; 3304
Bsp24I	GACNNNNNNTGGNNNNNNNNNN!	2	289; 3675
Bsp24I	!NNNNNNNCCANNNNNNNGTC	2	4096; 4274
Bsp24I	CCANNNNNNGTCCNNNNNNNNNNNN!	2	4128; 4306
Bsp24I	!NNNNNNNNGACNNNNNNNTGG	2	257; 3643
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	627; 3554
Bsp120I	G!GGCCC	2	653; 1263
Bsp143I	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
Bsp1286I	GDGCH!C	16	620; 657; 781; 820; 1054; 1121; 1267; 1452; 2063; 2818; 2911; 2985; 3175; 3237; 3947; 4480
Bsp1407I	T!GTACA	0	
Bsp1720I	GC!TNAGC	1	853
BspACI	C!CGC	44	58; 86; 98; 112; 279; 507; 589; 649; 704; 723; 795; 957; 1008; 1023; 1098; 1164; 1281; 1284; 1402; 1519; 2187; 2190; 2204; 2294; 2542; 2554; 2563; 2575; 2585; 2596; 2642; 2781; 2844; 3346; 3391; 3457; 3483; 3608; 3611; 3759; 3891; 4198; 4342; 4838
BspACI	G!CGG	34	370; 403; 528; 651; 695; 767; 770; 902; 941; 980; 1187; 1408; 1414; 1460; 2132; 2159; 2247; 2357; 2938; 3002; 3103; 3106; 3386; 3441; 3539; 3677; 3824; 3964; 4207; 4452; 4573; 4592; 4719; 4747
BspCNI	CTCAGNNNNNNNN!	2	619; 3997
BspCNI	!NNNNNNNCTGAG	6	845; 2344; 2646; 3527; 4099; 4508
BspDI	AT!CGAT	1	2712
BspD6I	GACTCNNNN!	6	418; 612; 1531; 1945; 3551; 4428
BspD6I	!NNNNNGAGTC	2	1908; 2340
BspEI	T!CCGGA	0	
BspFNI	CG!CG	19	60; 651; 1025; 1181; 1286; 1521; 1796; 2172; 2192; 2216; 2247; 2938; 3239; 3677; 3761; 3824; 3893; 4166; 4747
BspHI	T!CATGA	2	2298; 4070
BspLI	GGN!NCC	23	467; 647; 655; 662; 735; 780; 828; 891; 1053; 1265; 2027; 2048; 2060; 2251; 2412; 2484; 2873; 2908; 3756; 3835; 3880; 4723; 4762
BspMI	ACCTGCNNNN!	4	857; 1130; 3140; 3590
BspMI	!NNNNNNNNGCAGGT	1	2759
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	11	668; 1304; 1507; 1520; 2740; 3051; 3297; 3689; 4048; 4146; 4232
BspPI	!NNNNNGATCC	6	580; 655; 3116; 3660; 4047; 4144
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	3	808; 3216; 3426
BspTI	C!TTAAG	1	1754
BspT104I	TT!CGAA	2	627; 3554
BspT107I	G!GYRCC	10	465; 645; 733; 778; 826; 889; 1051; 2025; 2871; 2906
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	1	3861
BsrI	ACTGGN!	3	2816; 3017; 4263
BsrI	C!CAGT	5	295; 1901; 2579; 4375; 4388
BsrBI	CCG!CTC	2	2296; 3485
BsrBI	GAG!CGG	4	695; 1460; 2132; 3539
BsrDI	GCAATGNN!	1	3105
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	10	666; 730; 1018; 1054; 1363; 1404; 2089; 3191; 3372; 3655

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrGI	T!GTACA	0	
BsrSI	ACTGGN!	3	2816; 3017; 4263
BsrSI	C!CAGT	5	295; 1901; 2579; 4375; 4388
BssAI	R!CCGGY	10	666; 730; 1018; 1054; 1363; 1404; 2089; 3191; 3372; 3655
BssECI	C!CNNGG	26	360; 649; 656; 677; 707; 1064; 1112; 1130; 1202; 1349; 1392; 1451; 2406; 2478; 2601; 2636; 2645; 2694; 3035; 3304; 3709; 3836; 3837; 3939; 3940; 4630
BssHII	G!CGCGC	0	
BssKI	!CCNGG	19	88; 281; 655; 656; 1349; 1451; 2406; 2461; 2478; 2874; 3034; 3257; 3647; 3836; 3939; 4411; 4629; 4642; 4763
BssMI	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
BssNI	GR!CGYC	8	122; 175; 258; 444; 827; 2872; 3574; 3653
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	2	3590; 4617
BssSI	C!TCGTG	1	3464
BssT1I	C!CWWGG	9	360; 677; 707; 1130; 1392; 2601; 2694; 3304; 3709
Bst6I	CTCTCN!	0	
Bst6I	!NNNNGAAGAG	4	808; 2339; 3216; 3426
Bst98I	C!TTAAG	1	1754
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 827; 2872; 3574; 3653
BstAFI	C!TTAAG	1	1754
BstAPI	GCANNNN!NTGC	4	1486; 2439; 2511; 3973
BstAUI	T!GTACA	0	
BstBI	TT!CGAA	2	627; 3554
Bst2BI	C!ACGAG	2	3590; 4617
Bst2BI	C!TCGTG	1	3464
BstBAI	YAC!GTR	5	340; 861; 993; 1988; 3176
Bst4CI	ACN!GT	16	76; 198; 269; 543; 581; 645; 1113; 1471; 1963; 3252; 3368; 3476; 3799; 4290; 4760; 4831
BstC8I	GCN!NGC	36	86; 279; 593; 653; 704; 926; 985; 1020; 1177; 1337; 1406; 1432; 2091; 2134; 2148; 2421; 2440; 2493; 2512; 2766; 2952; 3171; 3237; 3243; 3275; 3316; 3320; 3374; 3657; 3844; 3891; 3947; 3969; 4180; 4740; 4777
BstDEI	C!TNAG	8	606; 853; 2352; 2654; 3535; 3984; 4107; 4516
BstDSI	C!CRYGG	10	360; 649; 677; 707; 1112; 1130; 1202; 1392; 2601; 3304
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	8	1155; 1359; 1428; 1469; 2732; 3189; 3214; 3668
BstF5I	!CATCC	4	1094; 1235; 1247; 2558
BstFNI	CG!CG	19	60; 651; 1025; 1181; 1286; 1521; 1796; 2172; 2192; 2216; 2247; 2938; 3239; 3677; 3761; 3824; 3893; 4166; 4747
BstH2I	RGCGC!Y	7	598; 830; 1235; 2139; 2147; 2875; 4550
BstHHI	GCG!C	25	597; 829; 1181; 1234; 1419; 2138; 2146; 2172; 2194; 2203; 2216; 2247; 2866; 2874; 2938; 2975; 3241; 3501; 3677; 3763; 4166; 4275; 4449; 4549; 4616
BstKTI	GAT!C	29	588; 612; 663; 716; 1031; 1079; 1094; 1146; 1299; 1378; 1502; 1515; 1532; 2712; 2716; 2735; 3046; 3124; 3205; 3214; 3292; 3668; 3684; 4043; 4055; 4133; 4141; 4152; 4227
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	4	2296; 2714; 3733; 3861
BstMBI	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
BstMCI	CGRY!CG	5	671; 1023; 1519; 2781; 4456
BstMWI	GCNNNNN!NNGC	34	90; 212; 244; 283; 376; 400; 692; 731; 776; 824; 1031; 1163; 1187; 1414; 1486; 2099; 2129; 2156; 2198; 2439; 2511; 2562; 2641; 2863; 2947; 2970; 3109; 3232; 3315; 3582; 3769; 3973; 4172; 4744
BstNI	CC!WGG	12	90; 283; 1453; 2408; 2463; 2480; 3259; 3838; 3941; 4631; 4644; 4765
BstNSI	RCATG!Y	5	1221; 2442; 2514; 3277; 4794
BstOI	CC!WGG	12	90; 283; 1453; 2408; 2463; 2480; 3259; 3838; 3941; 4631; 4644; 4765
BstPI	G!GTNACC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstPAI	GACNN!NNGTC	0	
BstSCI	!CCNGG	19	88; 281; 655; 656; 1349; 1451; 2406; 2461; 2478; 2874; 3034; 3257; 3647; 3836; 3939; 4411; 4629; 4642; 4763
BstSFI	C!TRYAG	7	634; 1194; 1252; 1478; 2207; 4334; 4525
BstSLI	GKGCMLC	8	657; 781; 1054; 1267; 1452; 2818; 2911; 4480
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	19	60; 651; 1025; 1181; 1286; 1521; 1796; 2172; 2192; 2216; 2247; 2938; 3239; 3677; 3761; 3824; 3893; 4166; 4747
Bst2UI	CC!WGG	12	90; 283; 1453; 2408; 2463; 2480; 3259; 3838; 3941; 4631; 4644; 4765
BstV1I	GCAGCNNNNNNNN!	9	1112; 1166; 1492; 1660; 2945; 2987; 3508; 3961; 4461
BstV1I	!NNNNNNNNNNNGCTGC	8	974; 1421; 2154; 2819; 3003; 3096; 4162; 4368
BstV2I	GAAGACNN!	0	
BstV2I	!NNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	11	585; 609; 660; 1375; 3043; 3289; 3681; 4040; 4052; 4138; 4149
BstYI	R!GATCY	11	585; 609; 660; 1375; 3043; 3289; 3681; 4040; 4052; 4138; 4149
BstZI	C!GGCCG	3	1020; 1516; 2778
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2301; 3091; 4592
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	2712
Bsu36I	CC!TNAGG	2	2352; 3984
BsuRI	GG!CC	26	84; 277; 655; 698; 794; 1018; 1022; 1265; 1518; 1838; 1980; 2635; 2641; 2650; 2693; 2780; 2954; 3345; 3372; 3881; 3938; 3971; 4316; 4750; 4768; 4779
BsuTUI	AT!CGAT	1	2712
BtgI	C!CRYGG	10	360; 649; 677; 707; 1112; 1130; 1202; 1392; 2601; 3304
BtgZI	GCGATGNNNNNNNNNN!	2	1989; 3324
BtgZI	!NNNNNNNNNNNNNNCATCGC	3	334; 3143; 3487
BthCI	GCNG!C	45	698; 725; 770; 797; 905; 944; 983; 990; 1025; 1103; 1157; 1190; 1286; 1417; 1437; 1483; 1521; 1651; 2170; 2192; 2206; 2644; 2783; 2835; 2846; 2936; 2941; 2978; 3019; 3106; 3109; 3112; 3348; 3444; 3485; 3499; 3613; 3952; 3967; 4178; 4384; 4387; 4452; 4595; 4750
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	1711
BtsCI	GGATGNN!	8	1155; 1359; 1428; 1469; 2732; 3189; 3214; 3668
BtsCI	!CATCC	4	1094; 1235; 1247; 2558
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	4	857; 1130; 3140; 3590
BveI	!NNNNNNNNNGCAGGT	1	2759
Cac8I	GCN!NGC	36	86; 279; 593; 653; 704; 926; 985; 1020; 1177; 1337; 1406; 1432; 2091; 2134; 2148; 2421; 2440; 2493; 2512; 2766; 2952; 3171; 3237; 3243; 3275; 3316; 3320; 3374; 3657; 3844; 3891; 3947; 3969; 4180; 4740; 4777
CaiI	CAGNNN!CTG	2	3973; 4381
CciI	T!CATGA	2	2298; 4070
CciNI	GC!GGCCGC	0	
CdiI	CATC!G	7	352; 963; 1323; 3161; 3166; 3364; 3505
CdiI	C!GATG	2	1975; 3310
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	2	795; 4744
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 2533; 2575
CelII	GC!TNAGC	1	853
CfoI	GCG!C	25	597; 829; 1181; 1234; 1419; 2138; 2146; 2172; 2194; 2203; 2216; 2247; 2866; 2874; 2938; 2975; 3241; 3501; 3677; 3763; 4166; 4275; 4449; 4549; 4616
CfrI	Y!GGCCR	6	1020; 1516; 2778; 2952; 3343; 3370
Cfr9I	C!CCGGG	1	656
Cfr10I	R!CCGGY	10	666; 730; 1018; 1054; 1363; 1404; 2089; 3191; 3372; 3655
Cfr13I	G!GNCC	12	83; 276; 654; 792; 1264; 1467; 1979; 3388; 3833; 3879; 3937; 3970
Cfr42I	CCG!GG	1	652

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
ChaI	GATC!	29	589; 613; 664; 717; 1032; 1080; 1095; 1147; 1300; 1379; 1503; 1516; 1533; 2713; 2717; 2736; 3047; 3125; 3206; 3215; 3293; 3669; 3685; 4044; 4056; 4134; 4142; 4153; 4228
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	5	1464; 2689; 4129; 4229; 4307
CjeI	!NNNNNNNNNACNNNNNTGG	7	64; 257; 2356; 2451; 3643; 4193; 4748
CjeI	ACNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 2390; 2485; 3677; 4227; 4782
CjeI	!NNNNNNNNCCANNNNNNGT	5	1430; 2655; 4095; 4195; 4273
CjePI	CCANNNNNNTCNNNNNNNNNNNNNN!	2	4129; 4307
CjePI	!NNNNNNNGANNNNNTGG	3	257; 3643; 4242
CjePI	GANNNNNTGGNNNNNNNNNNNNNN!	3	290; 3676; 4275
CjePI	!NNNNNNCCANNNNNNTC	2	4096; 4274
Clal	AT!CGAT	1	2712
CpoI	CG!GWCCG	1	3388
CseI	GACGCNNNNN!	3	526; 3582; 3661
CseI	!NNNNNNNNNGCGTC	3	2205; 4100; 4678
CsiI	A!CCWGGT	1	2461
CspI	CG!GWCCG	1	3388
Csp6I	G!TAC	10	218; 243; 298; 331; 382; 539; 646; 969; 1329; 3177
Csp45I	TT!CGAA	2	627; 3554
CspAI	A!CCGGT	1	666
CspCI	CAANNNNGTGGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNCAANNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	2	2152; 3761
CstMI	!NNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	23	301; 361; 678; 708; 798; 1131; 1218; 1269; 1393; 1440; 2299; 2439; 2511; 2602; 2743; 3088; 3274; 3305; 3331; 3687; 4071; 4791; 4842
CviJI	RG!CY	99	42; 84; 93; 277; 566; 618; 624; 655; 698; 759; 794; 842; 857; 869; 875; 905; 944; 998; 1004; 1018; 1022; 1058; 1157; 1175; 1190; 1199; 1214; 1265; 1314; 1391; 1397; 1483; 1518; 1541; 1651; 1818; 1838; 1980; 2061; 2075; 2089; 2370; 2411; 2483; 2606; 2635; 2641; 2650; 2658; 2681; 2693; 2699; 2780; 2797; 2805; 2832; 2857; 2941; 2950; 2954; 2978; 3016; 3092; 3109; 3128; 3191; 3235; 3245; 3262; 3345; 3372; 3376; 3413; 3436; 3452; 3632; 3659; 3720; 3842; 3881; 3938; 3945; 3952; 3971; 3982; 4233; 4262; 4305; 4316; 4381; 4460; 4485; 4490; 4536; 4626; 4724; 4750; 4768; 4779
CviKI-1	RG!CY	99	42; 84; 93; 277; 566; 618; 624; 655; 698; 759; 794; 842; 857; 869; 875; 905; 944; 998; 1004; 1018; 1022; 1058; 1157; 1175; 1190; 1199; 1214; 1265; 1314; 1391; 1397; 1483; 1518; 1541; 1651; 1818; 1838; 1980; 2061; 2075; 2089; 2370; 2411; 2483; 2606; 2635; 2641; 2650; 2658; 2681; 2693; 2699; 2780; 2797; 2805; 2832; 2857; 2941; 2950; 2954; 2978; 3016; 3092; 3109; 3128; 3191; 3235; 3245; 3262; 3345; 3372; 3376; 3413; 3436; 3452; 3632; 3659; 3720; 3842; 3881; 3938; 3945; 3952; 3971; 3982; 4233; 4262; 4305; 4316; 4381; 4460; 4485; 4490; 4536; 4626; 4724; 4750; 4768; 4779
CviQI	G!TAC	10	218; 243; 298; 331; 382; 539; 646; 969; 1329; 3177
DdeI	C!TNAG	8	606; 853; 2352; 2654; 3535; 3984; 4107; 4516
DinI	GGC!GCC	2	828; 2873
DpnI	GA!TC	29	587; 611; 662; 715; 1030; 1078; 1093; 1145; 1298; 1377; 1501; 1514; 1531; 2711; 2715; 2734; 3045; 3123; 3204; 3213; 3291; 3667; 3683; 4042; 4054; 4132; 4140; 4151; 4226
DpnII	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
DraI	TTT!AAA	3	1574; 4016; 4035
DraII	RG!GNCCY	2	1263; 3970
DraIII	CACNN!GTG	1	1988
DraRI	CAAGNACNNNNNNNNNNNNNNNNNN!	2	266; 4352
DraRI	!NNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	3	1943; 2899; 4688
DrdIV	TACGACNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	1943; 2899; 4688

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
EaeI	Y!GGCCR	6	1020; 1516; 2778; 2952; 3343; 3370
EagI	C!GGCCG	3	1020; 1516; 2778
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	808; 2339; 3216; 3426
Eam1105I	GACNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	808; 2339; 3216; 3426
EciI	GGCGGANNNNNNNNNN!	5	785; 2372; 3401; 4588; 4734
EciI	!NNNNNNNNNTCCGCC	5	496; 1270; 2543; 2564; 2585
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	3	1020; 1516; 2778
Eco24I	GRGCY!C	6	620; 657; 1267; 2063; 3237; 3947
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	1	3861
Eco32I	GAT!ATC	1	1386
Eco47I	G!GWCC	3	1467; 3388; 3833
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	3	1020; 1516; 2778
Eco57I	CTGAAGNNNNNNNNNNNNNN!	2	3018; 3450
Eco57I	!NNNNNNNNNNNNNNCTTCAG	4	822; 984; 1155; 4248
Eco72I	CAC!GTG	2	861; 993
Eco81I	CC!TNAGG	2	2352; 3984
Eco88I	C!YCGRG	5	613; 656; 784; 1063; 1379
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	9	360; 677; 707; 1130; 1392; 2601; 2694; 3304; 3709
Eco147I	AGG!CCT	1	2693
EcoHI	!CCSGG	7	655; 656; 1349; 2874; 3034; 3647; 4411
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNN!	3	3018; 3450; 3712
Eco57MI	!NNNNNNNNNNNNNNCTYCAG	5	822; 984; 1155; 3655; 4248
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	2	1263; 3970
EcoRI	G!AATTC	1	629
EcoRII	!CCWGG	12	88; 281; 1451; 2406; 2461; 2478; 3257; 3836; 3939; 4629; 4642; 4763
EcoRV	GAT!ATC	1	1386
EcoT14I	C!CWWGG	9	360; 677; 707; 1130; 1392; 2601; 2694; 3304; 3709
EcoT22I	ATGCA!T	3	2444; 2516; 4847
EcoT38I	GRGCY!C	6	620; 657; 1267; 2063; 3237; 3947
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	2	828; 2873
EheI	GGC!GCC	2	828; 2873
ErhI	C!CWWGG	9	360; 677; 707; 1130; 1392; 2601; 2694; 3304; 3709
EsaBC3I	TC!GA	18	615; 628; 641; 717; 756; 963; 1381; 2022; 2713; 2986; 3142; 3166; 3202; 3364; 3555; 3600; 3855; 4693
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	23	304; 364; 681; 711; 801; 1134; 1221; 1272; 1396; 1443; 2302; 2442; 2514; 2605; 2746; 3091; 3277; 3308; 3334; 3690; 4074; 4794; 4845
Fail	YA!TR	59	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 679; 709; 799; 1132; 1219; 1270; 1394; 1441; 1534; 1544; 1610; 1655; 1860; 2288; 2300; 2431; 2440; 2503; 2512; 2536; 2603; 2627; 2744; 2808; 3089; 3114; 3275; 3306; 3332; 3404; 3620; 3688; 3766; 3818; 3979; 3996; 3998; 4000; 4072; 4350; 4539; 4655; 4728; 4792; 4843
FalI	AAGNNNNNCTNNNNNNNNNNNN!	1	3212
FalI	!NNNNNNNNAAGNNNNNCTT	1	3180
FaqI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3023; 3555; 3664
FaqI	!NNNNNNNNNNNNNGTCCC	4	2388; 2460; 2524; 3819
FatI	!CATG	23	300; 360; 677; 707; 797; 1130; 1217; 1268; 1392; 1439; 2298; 2438; 2510; 2601; 2742; 3087; 3273; 3304; 3330; 3686; 4070; 4790; 4841

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FauI	CCCGCNNNN!	12	93; 119; 286; 711; 964; 1171; 1409; 2194; 2549; 2570; 3766; 3898
FauI	!NNNNNNGCGGG	7	644; 1453; 2125; 2995; 3532; 3670; 3817
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	0	
FblI	GT!MKAC	1	640
FmuI	GGNC!C	12	86; 279; 657; 795; 1267; 1470; 1982; 3391; 3836; 3882; 3940; 3973
Fnu4HI	GC!NGC	45	696; 723; 768; 795; 903; 942; 981; 988; 1023; 1101; 1155; 1188; 1284; 1415; 1435; 1481; 1519; 1649; 2168; 2190; 2204; 2642; 2781; 2833; 2844; 2934; 2939; 2976; 3017; 3104; 3107; 3110; 3346; 3442; 3483; 3497; 3611; 3950; 3965; 4176; 4382; 4385; 4450; 4593; 4748
FokI	GGATGNNNNNNNNN!	8	1162; 1366; 1435; 1476; 2739; 3196; 3221; 3675
FokI	!NNNNNNNNNNNNNNCATCC	3	1081; 1222; 2545
FriOI	GRGCY!C	6	620; 657; 1267; 2063; 3237; 3947
FseI	GGCCGG!CC	1	1022
FspI	TGC!GCA	1	2974
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	9	592; 1496; 1527; 1721; 2139; 2695; 3710; 4044; 4297
FspEI	CCNNNNNNNNNNNN!	164	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 662; 677; 712; 736; 750; 795; 816; 834; 849; 871; 895; 910; 928; 942; 963; 1021; 1036; 1068; 1098; 1122; 1141; 1176; 1215; 1248; 1264; 1279; 1294; 1323; 1345; 1362; 1377; 1405; 1451; 1465; 1483; 1497; 1532; 1555; 1594; 1608; 1749; 1844; 1868; 1891; 1914; 1932; 1954; 1975; 1994; 2013; 2042; 2063; 2077; 2103; 2191; 2217; 2266; 2307; 2325; 2364; 2380; 2418; 2475; 2490; 2547; 2567; 2581; 2598; 2612; 2649; 2664; 2707; 2790; 2857; 2888; 2908; 2923; 2968; 2982; 3048; 3062; 3081; 3097; 3138; 3158; 3205; 3255; 3271; 3291; 3316; 3336; 3359; 3386; 3404; 3430; 3470; 3496; 3520; 3576; 3590; 3618; 3661; 3682; 3717; 3761; 3849; 3873; 3895; 3915; 3931; 3952; 3966; 3985; 4069; 4089; 4117; 4132; 4166; 4208; 4235; 4250; 4295; 4319; 4333; 4355; 4381; 4401; 4425; 4451; 4499; 4518; 4537; 4563; 4598; 4643; 4673; 4687; 4738; 4752; 4777; 4793; 4814; 4843
FspEI	!NNNNNNNNNNNNNNNGG	132	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 628; 652; 680; 716; 745; 775; 809; 850; 872; 923; 958; 1000; 1027; 1051; 1099; 1117; 1136; 1169; 1189; 1244; 1273; 1300; 1336; 1379; 1399; 1438; 1482; 1500; 1543; 1643; 1712; 1742; 1820; 1869; 1891; 1919; 1955; 2000; 2029; 2065; 2084; 2112; 2132; 2195; 2218; 2326; 2358; 2376; 2405; 2448; 2477; 2588; 2617; 2660; 2681; 2709; 2742; 2762; 2787; 2814; 2839; 2861; 2889; 2915; 2936; 2987; 3008; 3026; 3074; 3110; 3166; 3191; 3215; 3244; 3267; 3291; 3317; 3339; 3358; 3383; 3423; 3459; 3524; 3609; 3633; 3662; 3696; 3717; 3737; 3782; 3809; 3828; 3861; 3913; 3944; 3971; 4023; 4121; 4192; 4237; 4298; 4363; 4397; 4423; 4441; 4477; 4547; 4570; 4592; 4616; 4649; 4697; 4732; 4750; 4807
Fsp4HI	GC!NGC	45	696; 723; 768; 795; 903; 942; 981; 988; 1023; 1101; 1155; 1188; 1284; 1415; 1435; 1481; 1519; 1649; 2168; 2190; 2204; 2642; 2781; 2833; 2844; 2934; 2939; 2976; 3017; 3104; 3107; 3110; 3346; 3442; 3483; 3497; 3611; 3950; 3965; 4176; 4382; 4385; 4450; 4593; 4748
GdiII	C!GGCCR	3	1020; 1516; 2778
GdiII	Y!GGCCG	5	1020; 1516; 2778; 3343; 3370
GlaI	GC!GC	25	596; 828; 1180; 1233; 1418; 2137; 2145; 2171; 2193; 2202; 2215; 2246; 2865; 2873; 2937; 2974; 3240; 3500; 3676; 3762; 4165; 4274; 4448; 4548; 4615
GluI	GC!NGC	45	696; 723; 768; 795; 903; 942; 981; 988; 1023; 1101; 1155; 1188; 1284; 1415; 1435; 1481; 1519; 1649; 2168; 2190; 2204; 2642; 2781; 2833; 2844; 2934; 2939; 2976; 3017; 3104; 3107; 3110; 3346; 3442; 3483; 3497; 3611; 3950; 3965; 4176; 4382; 4385; 4450; 4593; 4748
GsaI	CCCAG!C	5	902; 1247; 2419; 2491; 4490
GsaI	GCTGG!G	2	1318; 3380
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	3712
GsuI	!NNNNNNNNNNNNNNCTCCAG	1	3655
HaeI	WGG!CCW	5	2693; 2954; 4316; 4768; 4779
HaeII	RGCGC!Y	7	598; 830; 1235; 2139; 2147; 2875; 4550

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HaeIII	GG↓CC	26	84; 277; 655; 698; 794; 1018; 1022; 1265; 1518; 1838; 1980; 2635; 2641; 2650; 2693; 2780; 2954; 3345; 3372; 3881; 3938; 3971; 4316; 4750; 4768; 4779
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1488; 1547; 3068
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	1454; 1513; 3034
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1487; 1546; 3067
HaeIV	!NNNNNNNGAYNNNNNRTC	3	1456; 1515; 3036
HapII	C↓CGG	25	601; 657; 667; 731; 1019; 1055; 1351; 1364; 1405; 2090; 2777; 2854; 2876; 2904; 3035; 3125; 3192; 3373; 3648; 3656; 3748; 4222; 4412; 4438; 4585
HgaI	GACGCNNNNN!	3	526; 3582; 3661
HgaI	!NNNNNNNNNNGCGTC	3	2205; 4100; 4678
HhaI	GCG↓C	25	597; 829; 1181; 1234; 1419; 2138; 2146; 2172; 2194; 2203; 2216; 2247; 2866; 2874; 2938; 2975; 3241; 3501; 3677; 3763; 4166; 4275; 4449; 4549; 4616
HinI	GR↓CGYC	8	122; 175; 258; 444; 827; 2872; 3574; 3653
Hin1II	CATG↓!	23	304; 364; 681; 711; 801; 1134; 1221; 1272; 1396; 1443; 2302; 2442; 2514; 2605; 2746; 3091; 3277; 3308; 3334; 3690; 4074; 4794; 4845
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1487; 1546; 3067
Hin4I	!NNNNNNNNNGABNNNNNRTC	4	1455; 1514; 3035; 3065
Hin4I	GABNNNNNRTCNNNNNNNNNNNN!	4	1487; 1546; 3067; 3097
Hin4I	!NNNNNNNNNGAYNNNNNVTC	3	1455; 1514; 3035
Hin6I	G↓CGC	25	595; 827; 1179; 1232; 1417; 2136; 2144; 2170; 2192; 2201; 2214; 2245; 2864; 2872; 2936; 2973; 3239; 3499; 3675; 3761; 4164; 4273; 4447; 4547; 4614
HinP1I	G↓CGC	25	595; 827; 1179; 1232; 1417; 2136; 2144; 2170; 2192; 2201; 2214; 2245; 2864; 2872; 2936; 2973; 3239; 3499; 3675; 3761; 4164; 4273; 4447; 4547; 4614
HincII	GTY↓!RAC	2	641; 1635
HindII	GTY↓!RAC	2	641; 1635
HindIII	A↓AGCTT	1	622
HinfI	G↓ANTC	13	410; 604; 1523; 1915; 1937; 2347; 3357; 3491; 3543; 3601; 3638; 4420; 4816
HpaI	GTT↓AAC	1	1635
HpaII	C↓CGG	25	601; 657; 667; 731; 1019; 1055; 1351; 1364; 1405; 2090; 2777; 2854; 2876; 2904; 3035; 3125; 3192; 3373; 3648; 3656; 3748; 4222; 4412; 4438; 4585
HphI	GGTGANNNNNNNN!	5	376; 1056; 1378; 3943; 4059
HphI	!NNNNNNNTCACC	6	720; 1074; 1152; 1465; 1989; 3050
Hpy8I	GTN↓!NAC	10	201; 539; 577; 641; 1209; 1635; 1919; 1936; 1991; 4478
Hpy99I	CGWCG↓!	10	645; 691; 1186; 2962; 2990; 3284; 3299; 3576; 3961; 4694
Hpy166II	GTN↓!NAC	10	201; 539; 577; 641; 1209; 1635; 1919; 1936; 1991; 4478
Hpy188I	TCN↓!GA	12	585; 609; 2046; 2655; 2839; 3183; 3536; 3637; 4116; 4250; 4603; 4681
Hpy188III	TC↓!NNGA	27	613; 963; 1147; 1227; 1344; 1379; 1381; 1527; 2299; 2351; 2664; 2717; 2890; 3206; 3215; 3298; 3354; 3398; 3488; 3521; 3590; 4071; 4145; 4228; 4326; 4424; 4558
HpyAV	CCTTCNNNNNN!	8	846; 927; 1179; 1287; 1350; 3517; 3624; 4303
HpyAV	!NNNNNGAAGG	7	2105; 3000; 3729; 3745; 3928; 4245; 4555
HpyCH4III	ACN↓!GT	16	76; 198; 269; 543; 581; 645; 1113; 1471; 1963; 3252; 3368; 3476; 3799; 4290; 4760; 4831
HpyCH4IV	A↓!CGT	16	122; 134; 175; 258; 339; 444; 860; 992; 1932; 1944; 1987; 2097; 2988; 3175; 3956; 4089
HpyCH4V	TG↓!CA	24	636; 924; 990; 1125; 1221; 1254; 1357; 1480; 1621; 1648; 1716; 2433; 2442; 2505; 2514; 2629; 2705; 2764; 2923; 3098; 3112; 4182; 4478; 4845
HpyF3I	C↓!TNAG	8	606; 853; 2352; 2654; 3535; 3984; 4107; 4516
HpyF10VI	GCNNNNN!NNGC	34	90; 212; 244; 283; 376; 400; 692; 731; 776; 824; 1031; 1163; 1187; 1414; 1486; 2099; 2129; 2156; 2198; 2439; 2511; 2562; 2641; 2863; 2947; 2970; 3109; 3232; 3315; 3582; 3769; 3973; 4172; 4744
Hsp92I	GR↓CGYC	8	122; 175; 258; 444; 827; 2872; 3574; 3653
Hsp92II	CATG↓!	23	304; 364; 681; 711; 801; 1134; 1221; 1272; 1396; 1443; 2302; 2442; 2514; 2605; 2746; 3091; 3277; 3308; 3334; 3690; 4074; 4794; 4845

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HspAI	G!CGC	25	595; 827; 1179; 1232; 1417; 2136; 2144; 2170; 2192; 2201; 2214; 2245; 2864; 2872; 2936; 2973; 3239; 3499; 3675; 3761; 4164; 4273; 4447; 4547; 4614
KasI	G!GCGCC	2	826; 2871
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	1	649
Kpn2I	T!CCGGA	0	
KspI	CCGC!GG	1	652
Ksp22I	T!GATCA	0	
KspAI	GTT!AAC	1	1635
Kzo9I	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
LguI	GCTCTCN!	0	
LguI	!NNNNGAAGAGC	3	808; 3216; 3426
LpnI	RGC!GCGY	7	596; 828; 1233; 2137; 2145; 2873; 4548
LpnPI	CCDGNNNNNNNNNN!	64	102; 295; 614; 670; 712; 744; 844; 862; 912; 934; 1032; 1068; 1135; 1189; 1257; 1345; 1364; 1418; 1465; 1490; 1609; 1914; 2103; 2326; 2364; 2380; 2420; 2475; 2492; 2592; 2677; 2790; 2867; 2889; 2912; 3048; 3062; 3081; 3138; 3205; 3255; 3271; 3328; 3386; 3595; 3661; 3685; 3761; 3850; 3953; 3986; 4217; 4235; 4381; 4401; 4425; 4451; 4500; 4598; 4643; 4673; 4752; 4777; 4814
LpnPI	!NNNNNNNNNNNNCHGG	56	75; 268; 552; 586; 642; 716; 745; 775; 1004; 1040; 1132; 1300; 1336; 1390; 1438; 1955; 2075; 2132; 2195; 2393; 2405; 2465; 2477; 2709; 2754; 2797; 2839; 2861; 2889; 2936; 2998; 3020; 3110; 3177; 3200; 3244; 3339; 3358; 3383; 3532; 3633; 3676; 3733; 3823; 3926; 3953; 3971; 4207; 4244; 4397; 4423; 4563; 4581; 4616; 4697; 4750
Lsp1109I	GCAGCNNNNNNNN!	9	1112; 1166; 1492; 1660; 2945; 2987; 3508; 3961; 4461
Lsp1109I	!NNNNNNNNNNNGCTGC	8	974; 1421; 2154; 2819; 3003; 3096; 4162; 4368
LweI	GCATCNNNNNN!	10	734; 968; 1256; 1328; 1688; 2451; 2523; 3171; 3235; 3510
LweI	!NNNNNNNNNGATGC	6	357; 1344; 2830; 3085; 3301; 4693
MabI	A!CCWGGT	1	2461
MaeI	C!TAG	9	592; 1496; 1527; 1721; 2139; 2695; 3710; 4044; 4297
MaeII	A!CGT	16	122; 134; 175; 258; 339; 444; 860; 992; 1932; 1944; 1987; 2097; 2988; 3175; 3956; 4089
MaeIII	!GTNAC	13	61; 148; 497; 1471; 1660; 2161; 2173; 2992; 3298; 3988; 4254; 4370; 4433
MalI	GA!TC	29	587; 611; 662; 715; 1030; 1078; 1093; 1145; 1298; 1377; 1501; 1514; 1531; 2711; 2715; 2734; 3045; 3123; 3204; 3213; 3291; 3667; 3683; 4042; 4054; 4132; 4140; 4151; 4226
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2296; 3485
MbiI	GAG!CGG	4	695; 1460; 2132; 3539
MboI	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
MboII	GAAGANNNNNNNNN!	7	825; 1381; 2128; 2356; 3233; 3443; 4062
MboII	!NNNNNNNTCTTC	5	1071; 3523; 3690; 3890; 4133
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	1622
MfII	R!GATCY	11	585; 609; 660; 1375; 3043; 3289; 3681; 4040; 4052; 4138; 4149
MhII	GDGCH!C	16	620; 657; 781; 820; 1054; 1121; 1267; 1452; 2063; 2818; 2911; 2985; 3175; 3237; 3947; 4480
MIsI	TGG!CCA	1	2954
MluI	A!CGCGT	0	
MluNI	TGG!CCA	1	2954
MlyI	GAGTCNNNNNN!	2	1924; 2356
MlyI	!NNNNNGACTC	6	404; 598; 1517; 1931; 3537; 4414
Mly113I	GG!CGCC	2	827; 2872
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNNNN!	1	1965
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	2	4397; 4581
MnII	CCTCNNNNNNNN!	7	1591; 2655; 3473; 3679; 3993; 4363; 4687
MnII	!NNNNNNGAGG	18	541; 768; 966; 1008; 1059; 1284; 1551; 2016; 2347; 2625; 2668; 2683; 2723; 2787; 2923; 3280; 3710; 4613

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Mph1103I	ATGCA!T	3	2444; 2516; 4847
MreI	CG!CCGGCG	1	1404
MroI	T!CCGGA	0	
MroNI	G!CCGGC	5	1018; 1404; 2089; 3372; 3655
MroXI	GAANN!NNTTC	1	916
MscI	TGG!CCA	1	2954
MseI	T!TAA	15	7; 1573; 1634; 1755; 1776; 1787; 1799; 1810; 1827; 1925; 2196; 4015; 4029; 4034; 4086
MslI	CAYNN!NNRTG	2	365; 3309
MspI	C!CGG	25	601; 657; 667; 731; 1019; 1055; 1351; 1364; 1405; 2090; 2777; 2854; 2876; 2904; 3035; 3125; 3192; 3373; 3648; 3656; 3748; 4222; 4412; 4438; 4585
Msp20I	TGG!CCA	1	2954
MspA1I	CMG!CKG	6	651; 902; 2370; 2978; 4207; 4452
MspCI	C!TTAAG	1	1754
MspJI	CNNRNNNNNNNNN!	246	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; 702; 715; 729; 743; 759; 772; 796; 810; 833; 857; 871; 905; 921; 937; 962; 975; 996; 1026; 1053; 1067; 1086; 1101; 1125; 1141; 1159; 1175; 1188; 1215; 1228; 1255; 1272; 1297; 1312; 1327; 1344; 1362; 1376; 1391; 1405; 1430; 1443; 1457; 1473; 1489; 1508; 1532; 1545; 1560; 1579; 1596; 1609; 1650; 1664; 1677; 1695; 1733; 1748; 1766; 1807; 1831; 1851; 1869; 1890; 1913; 1945; 1960; 1982; 2000; 2013; 2034; 2051; 2064; 2077; 2093; 2106; 2136; 2151; 2176; 2194; 2207; 2222; 2246; 2260; 2284; 2309; 2325; 2363; 2379; 2418; 2432; 2446; 2474; 2490; 2504; 2518; 2547; 2560; 2581; 2590; 2612; 2642; 2658; 2676; 2706; 2729; 2753; 2777; 2796; 2824; 2850; 2866; 2879; 2902; 2916; 2936; 2949; 2963; 2982; 2996; 3009; 3025; 3040; 3053; 3069; 3084; 3100; 3125; 3144; 3160; 3173; 3186; 3204; 3218; 3232; 3248; 3270; 3286; 3305; 3327; 3343; 3366; 3385; 3399; 3415; 3429; 3449; 3465; 3478; 3500; 3533; 3547; 3567; 3580; 3594; 3648; 3661; 3684; 3697; 3716; 3733; 3760; 3796; 3829; 3848; 3873; 3894; 3921; 3934; 3951; 3965; 3980; 3996; 4056; 4081; 4097; 4119; 4132; 4146; 4177; 4191; 4216; 4234; 4249; 4262; 4281; 4294; 4309; 4338; 4357; 4375; 4400; 4415; 4434; 4450; 4469; 4487; 4503; 4517; 4536; 4563; 4586; 4608; 4627; 4642; 4655; 4672; 4692; 4719; 4732; 4751; 4776; 4799; 4813; 4826; 4843
MspJI	!NNNNNNNNNNNNYNG	206	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; 676; 694; 717; 740; 770; 793; 817; 835; 852; 872; 893; 911; 942; 970; 987; 1005; 1027; 1049; 1075; 1099; 1117; 1149; 1166; 1187; 1204; 1230; 1255; 1273; 1297; 1318; 1336; 1365; 1387; 1406; 1426; 1447; 1470; 1492; 1513; 1538; 1582; 1624; 1707; 1742; 1769; 1792; 1821; 1865; 1887; 1919; 1955; 1972; 1993; 2030; 2050; 2067; 2084; 2119; 2137; 2155; 2172; 2196; 2218; 2245; 2273; 2299; 2337; 2358; 2375; 2393; 2416; 2437; 2465; 2488; 2509; 2527; 2548; 2565; 2588; 2612; 2632; 2650; 2672; 2703; 2725; 2751; 2770; 2787; 2815; 2834; 2853; 2871; 2889; 2910; 2932; 2956; 2989; 3009; 3027; 3048; 3074; 3101; 3118; 3135; 3152; 3178; 3200; 3222; 3240; 3260; 3279; 3301; 3339; 3359; 3383; 3403; 3423; 3450; 3474; 3507; 3526; 3554; 3576; 3605; 3633; 3658; 3677; 3696; 3717; 3734; 3751; 3782; 3809; 3829; 3852; 3872; 3909; 3926; 3945; 3971; 3991; 4030; 4057; 4076; 4094; 4131; 4149; 4190; 4208; 4234; 4251; 4283; 4312; 4340; 4361; 4384; 4403; 4424; 4442; 4459; 4477; 4503; 4524; 4544; 4564; 4582; 4603; 4629; 4646; 4665; 4684; 4713; 4732; 4750; 4769; 4787; 4805; 4828
MspR9I	CC!NGG	19	90; 283; 657; 658; 1351; 1453; 2408; 2463; 2480; 2876; 3036; 3259; 3649; 3838; 3941; 4413; 4631; 4644; 4765
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1622
MvaI	CC!WGG	12	90; 283; 1453; 2408; 2463; 2480; 3259; 3838; 3941; 4631; 4644; 4765
Mva1269I	GAATGCN!	1	1623
Mva1269I	G!CATTC	1	1716
MvnI	CG!CG	19	60; 651; 1025; 1181; 1286; 1521; 1796; 2172; 2192; 2216; 2247; 2938; 3239; 3677; 3761; 3824; 3893; 4166; 4747
MvrI	CGAT!CG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MwoI	GCNNNNN!NNGC	34	90; 212; 244; 283; 376; 400; 692; 731; 776; 824; 1031; 1163; 1187; 1414; 1486; 2099; 2129; 2156; 2198; 2439; 2511; 2562; 2641; 2863; 2947; 2970; 3109; 3232; 3315; 3582; 3769; 3973; 4172; 4744
NaeI	GCC!GGC	5	1020; 1406; 2091; 3374; 3657
NarI	GG!CGCC	2	827; 2872
NciI	CC!SGG	7	657; 658; 1351; 2876; 3036; 3649; 4413
NcoI	C!CATGG	7	360; 677; 707; 1130; 1392; 2601; 3304
NdeI	CA!TATG	1	234
NdeII	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	0	
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	5	1018; 1404; 2089; 3372; 3655
NheI	G!CTAGC	1	591
NlaII	CATG!	23	304; 364; 681; 711; 801; 1134; 1221; 1272; 1396; 1443; 2302; 2442; 2514; 2605; 2746; 3091; 3277; 3308; 3334; 3690; 4074; 4794; 4845
NlaIV	GGN!NCC	23	467; 647; 655; 662; 735; 780; 828; 891; 1053; 1265; 2027; 2048; 2060; 2251; 2412; 2484; 2873; 2908; 3756; 3835; 3880; 4723; 4762
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	4	750; 1704; 2019; 3611
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	4	347; 844; 1027; 4683
Nli3877I	CYCGR!G	5	617; 660; 788; 1067; 1383
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	2661; 3097
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	1	2626
NmeDI	RCCGGYNNNNNNN!	10	678; 742; 1030; 1066; 1375; 1416; 2101; 3203; 3384; 3667
NmeDI	!NNNNNNNNNNNNRCCGGY	10	653; 717; 1005; 1041; 1350; 1391; 2076; 3178; 3359; 3642
NmuCI	!GTSAC	4	1471; 2161; 2992; 3298
NotI	GC!GGCCGC	0	
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	2974
NsiI	ATGCA!T	3	2444; 2516; 4847
NspI	RCATG!Y	5	1221; 2442; 2514; 3277; 4794
NspV	TT!CGAA	2	627; 3554
OliI	CACNN!NNGTG	0	
PabI	GTA!C	10	220; 245; 300; 333; 384; 541; 648; 971; 1331; 3179
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2442; 2514; 3277
PaeR7I	C!TCGAG	2	613; 1379
PagI	T!CATGA	2	2298; 4070
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	2	3837; 3940
PauI	G!CGCGC	0	
PceI	AGG!CCT	1	2693
PciI	A!CATGT	1	4790
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	3	808; 3216; 3426
PcsI	WCGNNNN!NNNCGW	7	968; 3166; 3243; 3486; 3560; 3953; 4471
PctI	GAATGCN!	1	1623
PctI	G!CATTC	1	1716
PdiI	GCC!GGC	5	1020; 1406; 2091; 3374; 3657
PdmI	GAANN!NNTTC	1	916
PfeI	G!AWTC	5	3357; 3491; 3601; 3638; 4816
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	2990
PfIMI	CCANNNN!NTGG	1	864
PfoI	T!CCNGGA	1	3647
PhoI	GG!CC	26	84; 277; 655; 698; 794; 1018; 1022; 1265; 1518; 1838; 1980; 2635; 2641; 2650; 2693; 2780; 2954; 3345; 3372; 3881; 3938; 3971; 4316; 4750; 4768; 4779
PinAI	A!CCGGT	1	666
PlaDI	CATCAGNNNNNNNNNNNNNNNNNN!	1	3253

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	2	2818; 3073
PleI	GAGTCNNNN!	2	1923; 2355
PleI	!NNNNNGACTC	6	404; 598; 1517; 1931; 3537; 4414
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	2	861; 993
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	2	861; 993
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	1954
PpiI	!NNNNNNNGAGNNNNNGTTC	1	4084
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	4116
PpiI	!NNNNNNNGAACNNNNNNCTC	1	1922
PpsI	GAGTCNNNN!	2	1923; 2355
PpsI	!NNNNNGACTC	6	404; 598; 1517; 1931; 3537; 4414
Ppu10I	A!TGCAT	3	2440; 2512; 4843
Ppu21I	YAC!GTR	5	340; 861; 993; 1988; 3176
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	4790
PshAI	GACNN!NNGTC	0	
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	1655; 1860
Psp03I	GGWC!C	3	1470; 3391; 3836
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	12	88; 281; 1451; 2406; 2461; 2478; 3257; 3836; 3939; 4629; 4642; 4763
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	620
PspCI	CAC!GTG	2	861; 993
PspEI	G!GTNACC	0	
PspGI	!CCWGG	12	88; 281; 1451; 2406; 2461; 2478; 3257; 3836; 3939; 4629; 4642; 4763
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	23	467; 647; 655; 662; 735; 780; 828; 891; 1053; 1265; 2027; 2048; 2060; 2251; 2412; 2484; 2873; 2908; 3756; 3835; 3880; 4723; 4762
PspOMI	G!GGCCC	2	653; 1263
PspOMII	CGCCARNNNNNNNNNNNNNNNNNNN!	3	125; 2602; 3601
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3004
PspPI	G!GNCC	12	83; 276; 654; 792; 1264; 1467; 1979; 3388; 3833; 3879; 3937; 3970
PspPPI	RG!GWCCY	0	
PspPRI	CCYAGNNNNNNNNNNNNNNNN!	5	917; 1262; 2425; 2497; 4003
PspPRI	!NNNNNNNNNNNNNNNNNNCTGRGG	2	2338; 3533
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGC!CY	2	1266; 3973
PstI	CTGCA!G	3	638; 1256; 1482
PstNI	CAGNNN!CTG	2	3973; 4381
PsuI	R!GATCY	11	585; 609; 660; 1375; 3043; 3289; 3681; 4040; 4052; 4138; 4149
PsyI	GACN!NNGTC	1	2990
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	2370; 2978
RcaI	T!CATGA	2	2298; 4070
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	1	3387
RceI	!NNNNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	1	1022
RleAI	CCCACANNNNNNNNNNNNNN!	1	1601
RleAI	!NNNNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNN!	2	998; 1091

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	10	219; 244; 299; 332; 383; 540; 647; 970; 1330; 3178
RsaNI	G!TAC	10	218; 243; 298; 331; 382; 539; 646; 969; 1329; 3177
RseI	CAYNN!NNRTG	2	365; 3309
RsrII	CG!GWCCG	1	3388
Rsr2I	CG!GWCCG	1	3388
SacI	GAGCT!C	1	620
SacII	CCGC!GG	1	652
SalI	G!TCGAC	1	639
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	3	808; 3216; 3426
SaqAI	T!TAA	15	7; 1573; 1634; 1755; 1776; 1787; 1799; 1810; 1827; 1925; 2196; 4015; 4029; 4034; 4086
SatI	GC!NGC	45	696; 723; 768; 795; 903; 942; 981; 988; 1023; 1101; 1155; 1188; 1284; 1415; 1435; 1481; 1519; 1649; 2168; 2190; 2204; 2642; 2781; 2833; 2844; 2934; 2939; 2976; 3017; 3104; 3107; 3110; 3346; 3442; 3483; 3497; 3611; 3950; 3965; 4176; 4382; 4385; 4450; 4593; 4748
Sau96I	G!GNCC	12	83; 276; 654; 792; 1264; 1467; 1979; 3388; 3833; 3879; 3937; 3970
Sau3AI	!GATC	29	585; 609; 660; 713; 1028; 1076; 1091; 1143; 1296; 1375; 1499; 1512; 1529; 2709; 2713; 2732; 3043; 3121; 3202; 3211; 3289; 3665; 3681; 4040; 4052; 4130; 4138; 4149; 4224
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	2	1924; 2356
SchI	!NNNNNGACTC	6	404; 598; 1517; 1931; 3537; 4414
SciI	CTC!GAG	2	615; 1381
ScrFI	CC!NGG	19	90; 283; 657; 658; 1351; 1453; 2408; 2463; 2480; 2876; 3036; 3259; 3649; 3838; 3941; 4413; 4631; 4644; 4765
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	5	1479; 2450; 2522; 2691; 4633
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	3	1470; 3027; 3512
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	16	620; 657; 781; 820; 1054; 1121; 1267; 1452; 2063; 2818; 2911; 2985; 3175; 3237; 3947; 4480
SelI	!CGCG	19	58; 649; 1023; 1179; 1284; 1519; 1794; 2170; 2190; 2214; 2245; 2936; 3237; 3675; 3759; 3822; 3891; 4164; 4745
SetI	ASST!	65	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 761; 838; 851; 863; 895; 995; 1000; 1006; 1046; 1124; 1159; 1171; 1201; 1316; 1562; 1583; 1592; 1604; 1653; 1820; 1935; 1947; 1990; 2027; 2077; 2100; 2224; 2372; 2467; 2660; 2773; 2901; 2980; 2991; 3063; 3134; 3178; 3438; 3584; 3628; 3959; 3990; 4049; 4092; 4235; 4256; 4355; 4492; 4507; 4526; 4538; 4582; 4628; 4679
SexAI	A!CCWGGT	1	2461
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	10	734; 968; 1256; 1328; 1688; 2451; 2523; 3171; 3235; 3510
SfaNI	!NNNNNNNNNGATGC	6	357; 1344; 2830; 3085; 3301; 4693
SfcI	C!TRYAG	7	634; 1194; 1252; 1478; 2207; 4334; 4525
SfiI	GGCCNNNN!NGGCC	1	2647
SfoI	GGC!GCC	2	828; 2873
Sfr274I	C!TCGAG	2	613; 1379
Sfr303I	CCGC!GG	1	652
SfuI	TT!CGAA	2	627; 3554

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNNN!	196	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 625; 662; 679; 702; 715; 729; 743; 759; 772; 796; 810; 843; 861; 911; 933; 968; 984; 1003; 1026; 1053; 1067; 1086; 1101; 1125; 1143; 1159; 1175; 1188; 1215; 1230; 1256; 1272; 1297; 1323; 1344; 1362; 1376; 1391; 1405; 1432; 1452; 1465; 1489; 1508; 1532; 1579; 1608; 1650; 1733; 1807; 1891; 1913; 1945; 1982; 2000; 2019; 2034; 2076; 2093; 2110; 2145; 2159; 2176; 2198; 2222; 2246; 2311; 2325; 2363; 2379; 2419; 2432; 2451; 2474; 2491; 2504; 2523; 2553; 2574; 2591; 2614; 2649; 2676; 2707; 2729; 2755; 2777; 2796; 2824; 2860; 2879; 2902; 2916; 2936; 2949; 2963; 2982; 2996; 3015; 3047; 3061; 3074; 3100; 3131; 3144; 3161; 3178; 3192; 3209; 3227; 3242; 3270; 3286; 3305; 3327; 3343; 3366; 3385; 3410; 3429; 3449; 3476; 3500; 3533; 3552; 3580; 3594; 3660; 3684; 3699; 3722; 3743; 3760; 3808; 3835; 3849; 3878; 3902; 3935; 3952; 3972; 3985; 3998; 4056; 4083; 4102; 4132; 4157; 4177; 4191; 4216; 4234; 4271; 4309; 4338; 4366; 4380; 4400; 4415; 4436; 4450; 4469; 4487; 4503; 4543; 4563; 4590; 4608; 4629; 4642; 4655; 4672; 4696; 4719; 4751; 4776; 4803; 4825
SgeI	!NNNNNNNNNNNNCNG	171	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 599; 636; 653; 676; 694; 717; 742; 770; 793; 817; 835; 885; 907; 942; 970; 1000; 1027; 1049; 1075; 1099; 1117; 1149; 1166; 1189; 1213; 1230; 1255; 1273; 1297; 1318; 1336; 1365; 1387; 1406; 1426; 1447; 1470; 1506; 1553; 1582; 1624; 1707; 1781; 1865; 1887; 1919; 1956; 1974; 1993; 2050; 2067; 2084; 2119; 2137; 2157; 2177; 2196; 2220; 2285; 2337; 2393; 2425; 2448; 2465; 2497; 2527; 2548; 2565; 2588; 2623; 2650; 2681; 2703; 2729; 2751; 2770; 2798; 2834; 2853; 2876; 2897; 2915; 2932; 2956; 2989; 3021; 3048; 3074; 3105; 3135; 3152; 3178; 3201; 3222; 3244; 3264; 3284; 3301; 3340; 3359; 3384; 3403; 3423; 3450; 3474; 3507; 3526; 3554; 3576; 3634; 3658; 3677; 3696; 3717; 3734; 3782; 3809; 3829; 3852; 3876; 3909; 3926; 3946; 3972; 4030; 4057; 4076; 4106; 4131; 4151; 4190; 4208; 4245; 4283; 4312; 4340; 4361; 4389; 4410; 4443; 4461; 4517; 4537; 4564; 4582; 4603; 4629; 4646; 4670; 4693; 4725; 4750; 4777; 4799; 4828
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	1	1404
SgrBI	CCGC!GG	1	652
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 2019; 3806; 4599
SimI	!GACCC	5	106; 1346; 3300; 3868; 4116
SinI	G!GWCC	3	1467; 3388; 3833
SlaI	C!TCGAG	2	613; 1379
SmaI	CCC!GGG	1	658
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	2	365; 3309
SmlI	C!TYRAG	8	613; 619; 1379; 1754; 3263; 4145; 4422; 4684
SmoI	C!TYRAG	8	613; 619; 1379; 1754; 3263; 4145; 4422; 4684
SmuI	CCCGNNNN!	12	93; 119; 286; 711; 964; 1171; 1409; 2194; 2549; 2570; 3766; 3898
SmuI	!NNNNNNGCGGG	7	644; 1453; 2125; 2995; 3532; 3670; 3817
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2442; 2514; 3277
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	11	18; 629; 1622; 1686; 1764; 1790; 1801; 2448; 2520; 2612; 4030
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCCT	0	
SseBI	AGG!CCT	1	2693
SsiI	C!CGC	44	58; 86; 98; 112; 279; 507; 589; 649; 704; 723; 795; 957; 1008; 1023; 1098; 1164; 1281; 1284; 1402; 1519; 2187; 2190; 2204; 2294; 2542; 2554; 2563; 2575; 2585; 2596; 2642; 2781; 2844; 3346; 3391; 3457; 3483; 3608; 3611; 3759; 3891; 4198; 4342; 4838
SsiI	G!CGG	34	370; 403; 528; 651; 695; 767; 770; 902; 941; 980; 1187; 1408; 1414; 1460; 2132; 2159; 2247; 2357; 2938; 3002; 3103; 3106; 3386; 3441; 3539; 3677; 3824; 3964; 4207; 4452; 4573; 4592; 4719; 4747

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SspI	AAT!ATT	2	1780; 2333
SspDI	G!GCGCC	2	826; 2871
SspD5I	GGTGANNNNNNNN!	5	376; 1056; 1378; 3943; 4059
SspD5I	!NNNNNNNNNTCACC	6	719; 1073; 1151; 1464; 1988; 3049
SstI	GAGCT!C	1	620
SstII	CCGC!GG	1	652
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	0	
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	23	92; 118; 285; 663; 710; 791; 963; 1070; 1170; 1357; 1408; 2071; 2193; 2548; 2569; 2882; 3285; 3424; 3495; 3765; 3897; 4127; 4565
Sth132I	!NNNNNNNNCGGG	21	15; 407; 470; 643; 1251; 1452; 2072; 2124; 2225; 2952; 2994; 3027; 3531; 3640; 3669; 3816; 3920; 3951; 4404; 4448; 4656
Sth302II	CC!GG	25	602; 658; 668; 732; 1020; 1056; 1352; 1365; 1406; 2091; 2778; 2855; 2877; 2905; 3036; 3126; 3193; 3374; 3649; 3657; 3749; 4223; 4413; 4439; 4586
StrI	C!TCGAG	2	613; 1379
StsI	GGATGNNNNNNNNNN!	8	1163; 1367; 1436; 1477; 2740; 3197; 3222; 3676
StsI	!NNNNNNNNNNNNNNCATCC	3	1080; 1221; 2544
StuI	AGG!CCT	1	2693
StyI	C!CWWGG	9	360; 677; 707; 1130; 1392; 2601; 2694; 3304; 3709
StyD4I	!CCNGG	19	88; 281; 655; 656; 1349; 1451; 2406; 2461; 2478; 2874; 3034; 3257; 3647; 3836; 3939; 4411; 4629; 4642; 4763
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	16	76; 198; 269; 543; 581; 645; 1113; 1471; 1963; 3252; 3368; 3476; 3799; 4290; 4760; 4831
TaiI	ACGT!	16	125; 137; 178; 261; 342; 447; 863; 995; 1935; 1947; 1990; 2100; 2991; 3178; 3959; 4092
TaqI	T!CGA	18	614; 627; 640; 716; 755; 962; 1380; 2021; 2712; 2985; 3141; 3165; 3201; 3363; 3554; 3599; 3854; 4692
TaqII	GACCGANNNNNNNNNN!	3	1892; 2909; 3577
TaqII	!NNNNNNNNNTCGGTC	1	3821
TaqII	CACCCANNNNNNNNNN!	0	
TaqII	!NNNNNNNNNTGGGTG	3	172; 2776; 3368
TasI	!AATT	11	18; 629; 1622; 1686; 1764; 1790; 1801; 2448; 2520; 2612; 4030
TatI	W!GTACW	4	217; 297; 330; 381
TauI	GCSG!C	27	698; 725; 770; 797; 905; 944; 983; 1025; 1190; 1286; 1417; 1521; 2192; 2206; 2644; 2783; 2846; 2941; 3106; 3109; 3348; 3444; 3485; 3613; 3967; 4595; 4750
TfiI	G!AWTC	5	3357; 3491; 3601; 3638; 4816
ThiI	C!TCGAG	2	613; 1379
TruII	T!TAA	15	7; 1573; 1634; 1755; 1776; 1787; 1799; 1810; 1827; 1925; 2196; 4015; 4029; 4034; 4086
Tru9I	T!TAA	15	7; 1573; 1634; 1755; 1776; 1787; 1799; 1810; 1827; 1925; 2196; 4015; 4029; 4034; 4086
TscAI	CASTGNN!	5	1718; 3001; 4111; 4382; 4395
TseI	G!CWGC	18	987; 1100; 1154; 1434; 1480; 1648; 2167; 2832; 2933; 2975; 3016; 3109; 3496; 3949; 4175; 4381; 4384; 4449
TsoI	TARCCANNNNNNNNNN!	2	1844; 2191
TsoI	!NNNNNNNNNTGGYTA	2	1649; 3401
Tsp45I	!GTSAC	4	1471; 2161; 2992; 3298
Tsp509I	!AATT	11	18; 629; 1622; 1686; 1764; 1790; 1801; 2448; 2520; 2612; 4030
TspDTI	ATGAANNNNNNNNNN!	4	826; 1630; 2931; 3635
TspDTI	!NNNNNNNNNTTCAT	4	26; 3349; 3805; 4012
TspEI	!AATT	11	18; 629; 1622; 1686; 1764; 1790; 1801; 2448; 2520; 2612; 4030
TspGWI	ACGGANNNNNNNNNN!	1	3747
TspGWI	!NNNNNNNNNTCCGT	1	1191
TspMI	C!CCGGG	1	656
TspRI	CASTGNN!	5	1718; 3001; 4111; 4382; 4395
TstI	CACNNNNNNNTCCNNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNNGTG	1	703
TstI	GGANNNNNNNGTGNNNNNNNNNNNN!	1	735
TstI	!NNNNNNNNCACNNNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	2990
Tth111II	CAARCCANNNNNNNNNN!	1	4199
Tth111III	!NNNNNNNNNTGYTTG	3	3307; 4167; 4206

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
UnbI	!GGNCC	12	82; 275; 653; 791; 1263; 1466; 1978; 3387; 3832; 3878; 3936; 3969
Van9II	CCANNNN!NTGG	1	864
Vha464I	C!TTAAG	1	1754
VneI	G!TGCAC	1	4476
VpaK11AI	!GGWCC	3	1466; 3387; 3832
VpaK11BI	G!GWCC	3	1467; 3388; 3833
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	629; 1686; 1790; 1801
XbaI	T!CTAGA	1	1526
XceI	RCATG!Y	5	1221; 2442; 2514; 3277; 4794
XcmI	CCANNNNN!NNNNTGG	0	
XhoI	C!TCGAG	2	613; 1379
XhoII	R!GATCY	11	585; 609; 660; 1375; 3043; 3289; 3681; 4040; 4052; 4138; 4149
XmaI	C!CCGGG	1	656
XmaJI	C!CTAGG	2	2694; 3709
XmiI	GT!MKAC	1	640
XmnI	GAANN!NNTTC	1	916
XspI	C!TAG	9	592; 1496; 1527; 1721; 2139; 2695; 3710; 4044; 4297
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2444; 2516; 4847