

Gateway® TagBFP-AS-C entry clone

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	5	83; 485; 949; 1155; 1360
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	1443; 2399; 4188
AatI	AGG!CCT	1	2193
AatII	GACGT!C	0	
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	2	360; 875
AccII	CG!CG	15	886; 1260; 1296; 1672; 1692; 1716; 1747; 2438; 2739; 3177; 3261; 3324; 3393; 3666; 4247
AccIII	T!CCGGA	1	835
Acc16I	TGC!GCA	1	2474
Acc36I	ACCTGCNNNN!	2	2640; 3090
Acc36I	!NNNNNNNNGCAGGT	1	2259
Acc65I	G!GTACC	1	880
AccB1I	G!GYRCC	4	880; 1525; 2371; 2406
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	1796; 2985
AccBSI	GAG!CGG	2	1632; 3039
AceIII	CAGCTCNNNNNNN!	1	1328
AceIII	!NNNNNNNNNNGAGCTG	0	
AciI	C!CGC	25	884; 1687; 1690; 1704; 1794; 2042; 2054; 2063; 2075; 2085; 2096; 2142; 2281; 2344; 2846; 2891; 2957; 2983; 3108; 3111; 3259; 3391; 3698; 3842; 4338
AciI	G!CGG	21	886; 1632; 1659; 1747; 1857; 2438; 2502; 2603; 2606; 2886; 2941; 3039; 3177; 3324; 3464; 3707; 3952; 4073; 4092; 4219; 4247
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	10	336; 903; 912; 2240; 2551; 2797; 3189; 3548; 3646; 3732
AclWI	!NNNNNGATCC	5	890; 2616; 3160; 3547; 3644
AcoI	Y!GGCCR	4	2278; 2452; 2843; 2870
AcsI	R!AATY	4	864; 1186; 1290; 1301
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	3	410; 2518; 2950
AcuI	!NNNNNNNNNNNNNCTTCAG	1	3748
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	3	2372; 3074; 3153
AdeI	CACNNN!GTG	1	1488
AfaI	GT!AC	7	98; 186; 213; 246; 882; 934; 2678
AfeI	AGC!GCT	1	119
AfiI	CCNNNNN!NNGG	18	241; 586; 908; 1384; 1710; 2102; 2353; 2897; 3178; 3210; 3342; 3377; 3427; 3459; 3812; 4091; 4257; 4275
AfIII	C!TTAAG	0	
AfIII	A!CRYGT	2	1258; 4290
AgeI	A!CCGGT	1	123
AgsI	TTS!AA	8	621; 696; 831; 1783; 1827; 1837; 2250; 3826
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	10	702; 1906; 1961; 1978; 2757; 3336; 3439; 4129; 4142; 4263
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	1	561
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNNNNNTTGG	1	529
AleI	CACNN!NNGTG	0	
AlfI	GCANNNNNNTGCNNNNNNNNNN!	2	1946; 2018

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AlfI	!NNNNNNNNNNNGCANNNNNTGC	2	1912; 1984
AloI	GAACNNNNNTCCNNNNNNNNNN!	1	1454
AloI	!NNNNNNNGGANNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	1	1422
AluI	AG!CT	17	649; 685; 784; 853; 859; 925; 1151; 1318; 1575; 1870; 2158; 2478; 2936; 3733; 3990; 4036; 4126
AluBI	AG!CT	17	649; 685; 784; 853; 859; 925; 1151; 1318; 1575; 1870; 2158; 2478; 2936; 3733; 3990; 4036; 4126
AlwI	GGATCNNNN!	10	336; 903; 912; 2240; 2551; 2797; 3189; 3548; 3646; 3732
AlwI	!NNNNNGATCC	5	890; 2616; 3160; 3547; 3644
Alw21I	GWGCW!C	4	855; 2485; 2675; 3980
Alw26I	GTCTCN!	0	
Alw26I	!NNNNNGAGAC	5	562; 1796; 2214; 3233; 3361
Alw44I	G!TGCAC	1	3976
AlwNI	CAGNNN!CTG	2	3473; 3881
Ama87I	C!YCGRG	2	848; 891
Aor13HI	T!CCGGA	1	835
Aor51HI	AGC!GCT	1	119
ApaI	GGGCC!C	1	892
ApaBI	GCANNNNN!TGC	3	1940; 2012; 3474
ApaLI	G!TGCAC	1	3976
ApeKI	G!CWGC	14	111; 1148; 1667; 2332; 2433; 2475; 2516; 2609; 2996; 3449; 3675; 3881; 3884; 3949
ApoI	R!AATTY	4	864; 1186; 1290; 1301
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	2887
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	3	2681; 3334; 4172
AquI	GCCGNACNNNNNNNNNNNNNNNNNN!	1	2771
AquI	!NNNNNNNNNNNNNNNNNGTNCGGC	0	
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	1	2200
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNCTCCYC	1	2942
ArsI	GACNNNNNTTYGNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNGTC	0	
ArsI	CRAANNNNNGTCNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	0	
Asi256I	G!ATC	21	329; 845; 896; 905; 1030; 2210; 2214; 2233; 2544; 2622; 2703; 2712; 2790; 3166; 3182; 3541; 3553; 3631; 3639; 3650; 3725
AsiGI	A!CCGGT	1	123
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	2490
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	1	880
AspA2I	C!CTAGG	2	2194; 3209
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	21	120; 1638; 1646; 1672; 1694; 1703; 1716; 1747; 2366; 2374; 2438; 2475; 2741; 3001; 3177; 3263; 3666; 3775; 3949; 4049; 4116
AspS9I	G!GNCC	10	280; 523; 888; 889; 1479; 2888; 3333; 3379; 3437; 3470
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	862; 3054
AsuC2I	CC!SGG	6	892; 893; 2376; 2536; 3149; 3913
AsuHPI	GGTGANNNNNNNN!	2	3443; 3559
AsuHPI	!NNNNNNNTCACC	2	1489; 2550
AsuNHI	G!CTAGC	1	114
AvaI	C!YCGRG	2	848; 891
AvaII	G!GWCC	4	280; 523; 2888; 3333
AviII	TGC!GCA	1	2474
AvrII	C!CTAGG	2	2194; 3209
AxyI	CC!TNAGG	2	1852; 3484
BaeI	ACNNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNGT	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BaeI	GRTACNNNNGTNNNNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNNNACNNNNNGTAYC	0	
BaeGI	GKGC!C	4	892; 2318; 2411; 3980
BalI	TGG!CCA	1	2454
BamHI	G!GATCC	1	895
BanI	G!GYRCC	4	880; 1525; 2371; 2406
BanII	GRGCY!C	5	855; 892; 1563; 2737; 3447
BanIII	AT!CGAT	1	2212
BarI	GAAGNNNNNTACNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNNNTAC	0	
BasI	CCANNNN!NTGG	0	
BauI	C!ACGAG	2	3090; 4117
BauI	C!TCGTG	1	2964
BbeI	GGCGC!C	1	2375
Bbr7I	GAAGACNNNNNN!	1	436
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	1	431
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	1942; 2014; 2777
BbvI	GCAGCNNNNNNNN!	6	1160; 2445; 2487; 3008; 3461; 3961
BbvI	!NNNNNNNNNNNGCTGC	7	98; 1654; 2319; 2503; 2596; 3662; 3868
Bbv12I	GWGCW!C	4	855; 2485; 2675; 3980
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	4	1502; 2066; 2592; 3094
BccI	!NNNNNGATGG	5	545; 580; 1470; 2250; 2678
BceAI	ACGGCNNNNNNNNNNNN!	2	2798; 3285
BceAI	!NNNNNNNNNNNNNGCCGT	3	1513; 2331; 3790
Bcefl	ACGGCNNNNNNNNNNNN!	2	2798; 3285
Bcefl	!NNNNNNNNNNNNNGCCGT	3	1514; 2332; 3791
BcgI	CGANNNNNNTGCNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	GCANNNNNNTCGNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNCGANNNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	1801; 2591; 4092
BciVI	!NNNNNGGATAC	1	447
BclI	T!GATCA	1	1029
BcnI	CC!SGG	6	892; 893; 2376; 2536; 3149; 3913
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNNNN!	2	1052; 4225
BdaI	!NNNNNNNNNNNTGANNNNNNTCA	2	1018; 4191
BfaI	C!TAG	9	115; 908; 1020; 1221; 1639; 2195; 3210; 3544; 3797
BfiI	ACTGGGNNNNN!	1	2321
BfiI	!NNNNCCAGT	1	2073
BfmI	C!TRYAG	4	869; 1707; 3834; 4025
BfoI	RGCGC!Y	5	121; 1639; 1647; 2375; 4050
BfrI	C!TTAAG	0	
BfuI	GTATCCNNNNNN!	3	1801; 2591; 4092
BfuI	!NNNNNGGATAC	1	447
BfuAI	ACCTGCNNNN!	2	2640; 3090
BfuAI	!NNNNNNNNNGCAGGT	1	2259
BfuCI	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
BglI	GCCNNNN!NGGC	1	2147
BglII	A!GATCT	1	844
BisI	GC!NGC	28	112; 1149; 1668; 1690; 1704; 2142; 2281; 2333; 2344; 2434; 2439; 2476; 2517; 2604; 2610; 2846; 2942; 2983; 2997; 3111; 3450; 3465; 3676; 3882; 3885; 3950; 4093; 4248
BlnI	C!CTAGG	2	2194; 3209
BlpI	GC!TNAGC	0	

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BlsI	GCN!GC	28	113; 1150; 1669; 1691; 1705; 2143; 2282; 2334; 2345; 2435; 2440; 2477; 2518; 2605; 2611; 2847; 2943; 2984; 2998; 3112; 3451; 3466; 3677; 3883; 3886; 3951; 4094; 4249
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	4	280; 523; 2888; 3333
Bme1390I	CC!NGG	16	704; 892; 893; 1908; 1963; 1980; 2376; 2536; 2759; 3149; 3338; 3441; 3913; 4131; 4144; 4265
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	2	848; 891
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	10	281; 524; 889; 890; 1480; 2889; 3334; 3380; 3438; 3471
BmiI	GGN!NCC	16	882; 890; 897; 1527; 1548; 1560; 1751; 1912; 1984; 2373; 2408; 3256; 3335; 3380; 4223; 4262
BmrI	ACTGGGNNNNN!	1	2321
BmrI	!NNNNCCCAGT	1	2073
BmrFI	CC!NGG	16	704; 892; 893; 1908; 1963; 1980; 2376; 2536; 2759; 3149; 3338; 3441; 3913; 4131; 4144; 4265
BmsI	GCATCNNNNN!	6	1188; 1951; 2023; 2671; 2735; 3010
BmsI	!NNNNNNNNNGATGC	4	2330; 2585; 2801; 4193
BmtI	GCTAG!C	1	118
BmuI	ACTGGGNNNNN!	1	2321
BmuI	!NNNNCCCAGT	1	2073
BoxI	GACNN!NNGTC	0	
BpiI	GAAGACNN!	1	431
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNNN!	2	2161; 3060
BpI	!NNNNNNNNGAGNNNNNNCTC	2	2129; 3028
BpmI	CTGGAGNNNNNNNNNNNNNNNNN!	1	3212
BpmI	!NNNNNNNNNNNNNNNNNCTCCAG	1	3155
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	2	862; 3054
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	1	431
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNNN!	2	3666; 4205
BpuEI	!NNNNNNNNNNNNNNNNNCTCAAG	4	338; 839; 2748; 3907
BpuMI	CC!SGG	6	892; 893; 2376; 2536; 3149; 3913
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	1	3361
Bsa29I	AT!CGAT	1	2212
BsaAI	YAC!GTR	2	1488; 2676
BsaBI	GATNN!NNATC	2	1034; 2231
BsaHI	GR!CGYC	3	2372; 3074; 3153
BsaJI	C!CNNGG	16	884; 891; 1906; 1978; 2101; 2136; 2145; 2194; 2535; 2804; 3209; 3336; 3337; 3439; 3440; 4130
BsaMI	GAATGCN!	1	1123
BsaMI	G!CATTC	2	559; 1216
BsaWI	W!CCGGW	7	123; 835; 901; 2403; 3247; 3937; 4084
BsaXI	ACNNNNNCTCCNNNNNNNNNNN!	1	1452
BsaXI	!NNNNNNGGAGNNNNNGT	0	
BsaXI	GGAGNNNNNGTNNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	1422
BsbI	CAACACNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTTG	2	1373; 3280
Bsc4I	CCNNNNN!NNGG	18	241; 586; 908; 1384; 1710; 2102; 2353; 2897; 3178; 3210; 3342; 3377; 3427; 3459; 3812; 4091; 4257; 4275
BscAI	GCATCNNNN!	6	1187; 1950; 2022; 2670; 2734; 3009
BscAI	!NNNNNNGATGC	4	2333; 2588; 2804; 4196
Bse1I	ACTGGN!	3	2316; 2517; 3763
Bse1I	C!CAGT	5	526; 1401; 2079; 3875; 3888
Bse8I	GATNN!NNATC	2	1034; 2231
Bse21I	CC!TNAGG	2	1852; 3484
Bse118I	R!CCGGY	5	123; 1589; 2691; 2872; 3155

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BseAI	T!CCGGA	1	835
BseBI	CC!WGG	10	704; 1908; 1963; 1980; 2759; 3338; 3441; 4131; 4144; 4265
BseCI	AT!CGAT	1	2212
BseDI	C!CNNGG	16	884; 891; 1906; 1978; 2101; 2136; 2145; 2194; 2535; 2804; 3209; 3336; 3337; 3439; 3440; 4130
Bse3DI	GCAATGNN!	2	77; 2605
Bse3DI	!CATTGC	1	957
BseGI	GGATGNN!	5	556; 2232; 2689; 2714; 3168
BseGI	!CATCC	1	2058
BseJI	GATNN!NNATC	2	1034; 2231
BseLI	CCNNNNN!NNGG	18	241; 586; 908; 1384; 1710; 2102; 2353; 2897; 3178; 3210; 3342; 3377; 3427; 3459; 3812; 4091; 4257; 4275
BseMI	GCAATGNN!	2	77; 2605
BseMI	!CATTGC	1	957
BseMII	CTCAGNNNNNNNNNN!	3	463; 855; 3498
BseMII	!NNNNNNNNCTGAG	7	209; 557; 1843; 2145; 3026; 3598; 4007
BseNI	ACTGGN!	3	2316; 2517; 3763
BseNI	C!CAGT	5	526; 1401; 2079; 3875; 3888
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	1	2190
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCMI!C	4	892; 2318; 2411; 3980
BseXI	GCAGCNNNNNNNN!	6	1160; 2445; 2487; 3008; 3461; 3961
BseXI	!NNNNNNNNNNNGCTGC	7	98; 1654; 2319; 2503; 2596; 3662; 3868
BseX3I	C!GGCCG	1	2278
BseYI	C!CCAGC	4	921; 1915; 1987; 3986
BseYI	G!CTGGG	1	2876
BsgI	GTGCAGNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	15	886; 1260; 1296; 1672; 1692; 1716; 1747; 2438; 2739; 3177; 3261; 3324; 3393; 3666; 4247
Bsh1285I	CGRY!CG	3	128; 2281; 3956
BshFI	GG!CC	18	890; 1338; 1480; 2135; 2141; 2150; 2193; 2280; 2454; 2845; 2872; 3381; 3438; 3471; 3816; 4250; 4268; 4279
BshNI	G!GYRCC	4	880; 1525; 2371; 2406
BshTI	A!CCGGT	1	123
BshVI	AT!CGAT	1	2212
BsiEI	CGRY!CG	3	128; 2281; 3956
BsiHKAI	GWGCW!C	4	855; 2485; 2675; 3980
BsiHKCI	C!YCGRG	2	848; 891
BsiSI	C!CGG	20	124; 836; 892; 902; 1590; 2277; 2354; 2376; 2404; 2535; 2625; 2692; 2873; 3148; 3156; 3248; 3722; 3912; 3938; 4085
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	18	241; 586; 908; 1384; 1710; 2102; 2353; 2897; 3178; 3210; 3342; 3377; 3427; 3459; 3812; 4091; 4257; 4275
BsIFI	GGGACNNNNNNNNNN!	3	2523; 3055; 3164
BsIFI	!NNNNNNNNNNNNNGTCCC	4	1888; 1960; 2024; 3319
BsmI	GAATGCN!	1	1123
BsmI	G!CATTC	2	559; 1216
BsmAI	GTCTCN!	0	
BsmAI	!NNNNNGAGAC	5	562; 1796; 2214; 3233; 3361
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	3	2523; 3055; 3164
BsmFI	!NNNNNNNNNNNNNGTCCC	4	1888; 1960; 2024; 3319
BsnI	GG!CC	18	890; 1338; 1480; 2135; 2141; 2150; 2193; 2280; 2454; 2845; 2872; 3381; 3438; 3471; 3816; 4250; 4268; 4279
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	1	3361
BsoBI	C!YCGRG	2	848; 891
Bsp13I	T!CCGGA	1	835
Bsp19I	C!CATGG	2	2101; 2804
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	1	3175
Bsp24I	!NNNNNNCCANNNNNNNGTC	2	3596; 3774
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	3628; 3806
Bsp24I	!NNNNNNNGACNNNNNNNTGG	1	3143

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Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	862; 3054
Bsp120I	G!GGCCC	1	888
Bsp143I	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
Bsp1286I	GDGCH!C	10	855; 892; 1563; 2318; 2411; 2485; 2675; 2737; 3447; 3980
Bsp1407I	T!GTACA	3	96; 211; 932
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	25	884; 1687; 1690; 1704; 1794; 2042; 2054; 2063; 2075; 2085; 2096; 2142; 2281; 2344; 2846; 2891; 2957; 2983; 3108; 3111; 3259; 3391; 3698; 3842; 4338
BspACI	G!CGG	21	886; 1632; 1659; 1747; 1857; 2438; 2502; 2603; 2606; 2886; 2941; 3039; 3177; 3324; 3464; 3707; 3952; 4073; 4092; 4219; 4247
BspCNI	CTCAGNNNNNNNN!	3	462; 854; 3497
BspCNI	!NNNNNNNCTGAG	7	210; 558; 1844; 2146; 3027; 3599; 4008
BspDI	AT!CGAT	1	2212
BspD6I	GACTCNNNN!	4	847; 1445; 3051; 3928
BspD6I	!NNNNNNGAGTC	2	1408; 1840
BspEI	T!CCGGA	1	835
BspFNI	CG!CG	15	886; 1260; 1296; 1672; 1692; 1716; 1747; 2438; 2739; 3177; 3261; 3324; 3393; 3666; 4247
BspHI	T!CATGA	2	1798; 3570
BspLI	GGN!NCC	16	882; 890; 897; 1527; 1548; 1560; 1751; 1912; 1984; 2373; 2408; 3256; 3335; 3380; 4223; 4262
BspMI	ACCTGCNNNN!	2	2640; 3090
BspMI	!NNNNNNNNGCAGGT	1	2259
BspOI	GCTAG!C	1	118
BspPI	GGATCNNNN!	10	336; 903; 912; 2240; 2551; 2797; 3189; 3548; 3646; 3732
BspPI	!NNNNNGATCC	5	890; 2616; 3160; 3547; 3644
BspQI	GCTCTTCN!	0	
BspQI	!NNNNGAAGAGC	2	2716; 2926
BspTI	C!TTAAG	0	
BspT104I	TT!CGAA	2	862; 3054
BspT107I	G!GYRCC	4	880; 1525; 2371; 2406
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	1	3361
BsrI	ACTGGN!	3	2316; 2517; 3763
BsrI	C!CAGT	5	526; 1401; 2079; 3875; 3888
BsrBI	CCG!CTC	2	1796; 2985
BsrBI	GAG!CGG	2	1632; 3039
BsrDI	GCAATGNN!	2	77; 2605
BsrDI	!CATTGC	1	957
BsrFI	R!CCGGY	5	123; 1589; 2691; 2872; 3155
BsrGI	T!GTACA	3	96; 211; 932
BsrSI	ACTGGN!	3	2316; 2517; 3763
BsrSI	C!CAGT	5	526; 1401; 2079; 3875; 3888
BssAI	R!CCGGY	5	123; 1589; 2691; 2872; 3155
BssECI	C!CNNGG	16	884; 891; 1906; 1978; 2101; 2136; 2145; 2194; 2535; 2804; 3209; 3336; 3337; 3439; 3440; 4130
BssHII	G!CGCGC	0	
BssKI	!CCNNGG	16	702; 890; 891; 1906; 1961; 1978; 2374; 2534; 2757; 3147; 3336; 3439; 3911; 4129; 4142; 4263
BssMI	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
BssNI	GR!CGYC	3	2372; 3074; 3153
BssNAI	GTA!TAC	1	361
BssSI	C!ACGAG	2	3090; 4117
BssSI	C!TCGTG	1	2964
BssT1I	C!CWWGG	4	2101; 2194; 2804; 3209
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	3	1839; 2716; 2926
Bst98I	C!TTAAG	0	
Bst1107I	GTA!TAC	1	361
BstACI	GR!CGYC	3	2372; 3074; 3153
BstAFI	C!TTAAG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstAPI	GCANNNN!NTGC	3	1939; 2011; 3473
BstAUI	T!GTACA	3	96; 211; 932
BstBI	TT!CGAA	2	862; 3054
Bst2BI	C!ACGAG	2	3090; 4117
Bst2BI	C!TCGTG	1	2964
BstBAI	YAC!GTR	2	1488; 2676
Bst4CI	ACN!GT	12	189; 430; 472; 880; 1463; 2752; 2868; 2976; 3299; 3790; 4260; 4331
BstC8I	GCN!NGC	27	109; 116; 888; 1591; 1634; 1648; 1921; 1940; 1993; 2012; 2266; 2452; 2671; 2737; 2743; 2775; 2816; 2820; 2874; 3157; 3344; 3391; 3447; 3469; 3680; 4240; 4277
BstDEI	C!TNAG	13	218; 332; 449; 566; 674; 812; 841; 1852; 2154; 3035; 3484; 3607; 4016
BstDSI	C!CRYGG	3	884; 2101; 2804
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	1	239
BstF5I	GGATGNN!	5	556; 2232; 2689; 2714; 3168
BstF5I	!CATCC	1	2058
BstFNI	CG!CG	15	886; 1260; 1296; 1672; 1692; 1716; 1747; 2438; 2739; 3177; 3261; 3324; 3393; 3666; 4247
BstH2I	RGCGC!Y	5	121; 1639; 1647; 2375; 4050
BstHHI	GCG!C	21	120; 1638; 1646; 1672; 1694; 1703; 1716; 1747; 2366; 2374; 2438; 2475; 2741; 3001; 3177; 3263; 3666; 3775; 3949; 4049; 4116
BstKTI	GAT!C	21	331; 847; 898; 907; 1032; 2212; 2216; 2235; 2546; 2624; 2705; 2714; 2792; 3168; 3184; 3543; 3555; 3633; 3641; 3652; 3727
BstMAI	GTCTCN!	0	
BstMAI	!NNNNNGAGAC	5	562; 1796; 2214; 3233; 3361
BstMBI	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
BstMCI	CGRY!CG	3	128; 2281; 3956
BstMWI	GCNNNNN!NNGC	20	117; 1599; 1629; 1656; 1698; 1939; 2011; 2062; 2141; 2363; 2447; 2470; 2609; 2732; 2815; 3082; 3269; 3473; 3672; 4244
BstNI	CC!WGG	10	704; 1908; 1963; 1980; 2759; 3338; 3441; 4131; 4144; 4265
BstNSI	RCATG!Y	4	1942; 2014; 2777; 4294
BstOI	CC!WGG	10	704; 1908; 1963; 1980; 2759; 3338; 3441; 4131; 4144; 4265
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	0	
BstSCI	!CCNGG	16	702; 890; 891; 1906; 1961; 1978; 2374; 2534; 2757; 3147; 3336; 3439; 3911; 4129; 4142; 4263
BstSFI	C!TRYAG	4	869; 1707; 3834; 4025
BstSLI	GKGCM!C	4	892; 2318; 2411; 3980
BstSNI	TAC!GTA	0	
BstUI	CG!CG	15	886; 1260; 1296; 1672; 1692; 1716; 1747; 2438; 2739; 3177; 3261; 3324; 3393; 3666; 4247
Bst2UI	CC!WGG	10	704; 1908; 1963; 1980; 2759; 3338; 3441; 4131; 4144; 4265
BstV1I	GCAGCNNNNNNNN!	6	1160; 2445; 2487; 3008; 3461; 3961
BstV1I	!NNNNNNNNNNNGCTGC	7	98; 1654; 2319; 2503; 2596; 3662; 3868
BstV2I	GAAGACNN!	1	431
BstV2I	!NNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	11	328; 844; 895; 904; 2543; 2789; 3181; 3540; 3552; 3638; 3649
BstYI	R!GATCY	11	328; 844; 895; 904; 2543; 2789; 3181; 3540; 3552; 3638; 3649
BstZI	C!GGCCG	1	2278
BstZ17I	GTA!TAC	1	361
BsuI	GTATCCNNNNNN!	3	1801; 2591; 4092
BsuI	!NNNNNGGATAC	1	447
Bsu15I	AT!CGAT	1	2212
Bsu36I	CC!TNAGG	2	1852; 3484
BsuRI	GG!CC	18	890; 1338; 1480; 2135; 2141; 2150; 2193; 2280; 2454; 2845; 2872; 3381; 3438; 3471; 3816; 4250; 4268; 4279
BsuTUI	AT!CGAT	1	2212
BtgI	C!CRYGG	3	884; 2101; 2804
BtgZI	GCGATGNNNNNNNNNN!	2	1489; 2824
BtgZI	!NNNNNNNNNNNNNCATCGC	2	2643; 2987

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BthCI	GCNG!C	28	114; 1151; 1670; 1692; 1706; 2144; 2283; 2335; 2346; 2436; 2441; 2478; 2519; 2606; 2612; 2848; 2944; 2985; 2999; 3113; 3452; 3467; 3678; 3884; 3887; 3952; 4095; 4250
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	1211
BtsCI	GGATGNN!	5	556; 2232; 2689; 2714; 3168
BtsCI	!CATCC	1	2058
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	2640; 3090
BveI	!NNNNNNNNNGCAGGT	1	2259
Cac8I	GCN!NGC	27	109; 116; 888; 1591; 1634; 1648; 1921; 1940; 1993; 2012; 2266; 2452; 2671; 2737; 2743; 2775; 2816; 2820; 2874; 3157; 3344; 3391; 3447; 3469; 3680; 4240; 4277
CaiI	CAGNNN!CTG	2	3473; 3881
CciI	T!CATGA	2	1798; 3570
CciNI	GC!GGCCGC	0	
CdiI	CATC!G	4	2661; 2666; 2864; 3005
CdiI	C!GATG	2	1475; 2810
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	4244
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	2	2033; 2075
CelII	GC!TNAGC	0	
CfoI	GCG!C	21	120; 1638; 1646; 1672; 1694; 1703; 1716; 1747; 2366; 2374; 2438; 2475; 2741; 3001; 3177; 3263; 3666; 3775; 3949; 4049; 4116
CfrI	Y!GGCCR	4	2278; 2452; 2843; 2870
Cfr9I	C!CCGGG	1	891
Cfr10I	R!CCGGY	5	123; 1589; 2691; 2872; 3155
Cfr13I	G!GNCC	10	280; 523; 888; 889; 1479; 2888; 3333; 3379; 3437; 3470
Cfr42I	CCGC!GG	1	887
ChaI	GATC!	21	332; 848; 899; 908; 1033; 2213; 2217; 2236; 2547; 2625; 2706; 2715; 2793; 3169; 3185; 3544; 3556; 3634; 3642; 3653; 3728
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	4	2189; 3629; 3729; 3807
CjeI	!NNNNNNNNNACNNNNNTGG	6	504; 1856; 1951; 3143; 3693; 4248
CjeI	ACNNNNNTGGNNNNNNNNNNNNNN!	6	538; 1890; 1985; 3177; 3727; 4282
CjeI	!NNNNNNNNCCANNNNNNGT	4	2155; 3595; 3695; 3773
CjePI	CCANNNNNNTCANNNNNNNNNNNN!	2	3629; 3807
CjePI	!NNNNNNNNGANNNNNNTGG	3	687; 3143; 3742
CjePI	GANNNNNNNTGGNNNNNNNNNNNN!	3	720; 3176; 3775
CjePI	!NNNNNNNNCCANNNNNNTC	2	3596; 3774
Clal	AT!CGAT	1	2212
CpoI	CG!GWCCG	1	2888
CseI	GACGCNNNNN!	2	3082; 3161
CseI	!NNNNNNNNNNNGCGTC	3	1705; 3600; 4178
CsiI	A!CCWGGT	1	1961
CspI	CG!GWCCG	1	2888
Csp6I	G!TAC	7	97; 185; 212; 245; 881; 933; 2677
Csp45I	TT!CGAA	2	862; 3054
CspAI	A!CCGGT	1	123
CspCI	CAANNNNNGTGGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNNCAANNNNNGTGG	0	
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	2	1652; 3261
CstMI	!NNNNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	17	135; 401; 612; 775; 1799; 1939; 2011; 2102; 2243; 2588; 2774; 2805; 2831; 3187; 3571; 4291; 4342
CviJI	RG!CY	76	10; 111; 234; 649; 685; 784; 853; 859; 890; 925; 1041; 1151; 1318; 1338; 1480; 1561; 1575; 1589; 1870; 1911; 1983; 2106; 2135; 2141; 2150; 2158; 2181; 2193; 2199; 2280; 2297; 2305; 2332; 2357; 2441; 2450; 2454; 2478; 2516; 2592; 2609; 2628; 2691; 2735; 2745; 2762; 2845; 2872; 2876; 2913; 2936; 2952; 3132; 3159; 3220; 3342; 3381; 3438; 3445; 3452; 3471; 3482; 3733; 3762; 3805; 3816; 3881; 3960; 3985; 3990; 4036; 4126; 4224; 4250; 4268; 4279

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CviKI-1	RG!CY	76	10; 111; 234; 649; 685; 784; 853; 859; 890; 925; 1041; 1151; 1318; 1338; 1480; 1561; 1575; 1589; 1870; 1911; 1983; 2106; 2135; 2141; 2150; 2158; 2181; 2193; 2199; 2280; 2297; 2305; 2332; 2357; 2441; 2450; 2454; 2478; 2516; 2592; 2609; 2628; 2691; 2735; 2745; 2762; 2845; 2872; 2876; 2913; 2936; 2952; 3132; 3159; 3220; 3342; 3381; 3438; 3445; 3452; 3471; 3482; 3733; 3762; 3805; 3816; 3881; 3960; 3985; 3990; 4036; 4126; 4224; 4250; 4268; 4279
CviQI	G!TAC	7	97; 185; 212; 245; 881; 933; 2677
DdeI	C!TNAG	13	218; 332; 449; 566; 674; 812; 841; 1852; 2154; 3035; 3484; 3607; 4016
DinI	GGC!GCC	1	2373
DpnI	GA!TC	21	330; 846; 897; 906; 1031; 2211; 2215; 2234; 2545; 2623; 2704; 2713; 2791; 3167; 3183; 3542; 3554; 3632; 3640; 3651; 3726
DpnII	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
DraI	TTT!AAA	5	207; 375; 1074; 3516; 3535
DraII	RG!GNCCY	2	280; 3470
DraIII	CACNNN!GTG	1	1488
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNNNN!	1	3852
DraRI	!NNNNNNNNNNNNNNNNNGTCTTG	0	
DrdI	GACNNN!NNGTC	3	1443; 2399; 4188
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	1	583
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	1443; 2399; 4188
EaeI	Y!GGCCR	4	2278; 2452; 2843; 2870
EagI	C!GGCCG	1	2278
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	3	1839; 2716; 2926
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	3	1839; 2716; 2926
EciI	GGCGGANNNNNNNNNNNN!	4	1872; 2901; 4088; 4234
EciI	!NNNNNNNNNTCCGCC	3	2043; 2064; 2085
Ecl136II	GAG!CTC	1	853
EclXI	C!GGCCG	1	2278
Eco24I	GRGCY!C	5	855; 892; 1563; 2737; 3447
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNGAGACC	1	3361
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	4	280; 523; 2888; 3333
Eco47III	AGC!GCT	1	119
Eco52I	C!GGCCG	1	2278
Eco57I	CTGAAGNNNNNNNNNNNNNN!	3	410; 2518; 2950
Eco57I	!NNNNNNNNNNNNNNCTTCAG	1	3748
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	2	1852; 3484
Eco88I	C!YCGRG	2	848; 891
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	0	
Eco130I	C!CWWGG	4	2101; 2194; 2804; 3209
Eco147I	AGG!CCT	1	2193
EcoHI	!CCSGG	6	890; 891; 2374; 2534; 3147; 3911
EcoICRI	GAG!CTC	1	853
Eco57MI	CTGRAGNNNNNNNNNNNNNN!	4	410; 2518; 2950; 3212
Eco57MI	!NNNNNNNNNNNNNNCTYCAG	2	3155; 3748
EcoNI	CCTNN!NNNAGG	1	239
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	2	280; 3470
EcoRI	G!AATTC	1	864
EcoRII	!CCWGG	10	702; 1906; 1961; 1978; 2757; 3336; 3439; 4129; 4142; 4263
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	4	2101; 2194; 2804; 3209
EcoT22I	ATGCA!T	4	164; 1944; 2016; 4347
EcoT38I	GRGCY!C	5	855; 892; 1563; 2737; 3447

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Eco53kI	GAG!CTC	1	853
EgeI	GGC!GCC	1	2373
EheI	GGC!GCC	1	2373
ErhI	C!CWGGG	4	2101; 2194; 2804; 3209
EsaBC3I	TC!GA	14	850; 863; 876; 1522; 2213; 2486; 2642; 2666; 2702; 2864; 3055; 3100; 3355; 4193
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	17	138; 404; 615; 778; 1802; 1942; 2014; 2105; 2246; 2591; 2777; 2808; 2834; 3190; 3574; 4294; 4345
Fail	YA!TR	57	83; 136; 160; 166; 176; 178; 304; 324; 326; 350; 361; 402; 422; 485; 532; 576; 613; 666; 716; 776; 949; 1034; 1044; 1110; 1155; 1360; 1788; 1800; 1931; 1940; 2003; 2012; 2036; 2103; 2127; 2244; 2308; 2589; 2614; 2775; 2806; 2832; 2904; 3120; 3188; 3266; 3318; 3479; 3498; 3500; 3572; 3850; 4039; 4155; 4228; 4292; 4343
FalI	AAGNNNNNCTNNNNNNNNNNNN!	3	91; 978; 2712
FalI	!NNNNNNNNNAAGNNNNNCTT	3	59; 946; 2680
FaqI	GGGACNNNNNNNNNN!	3	2523; 3055; 3164
FaqI	!NNNNNNNNNNNNNGTCCC	4	1888; 1960; 2024; 3319
FatI	!CATG	17	134; 400; 611; 774; 1798; 1938; 2010; 2101; 2242; 2587; 2773; 2804; 2830; 3186; 3570; 4290; 4341
FauI	CCC GCCNNNN!	5	1694; 2049; 2070; 3266; 3398
FauI	!NNNNNNNGCGGG	6	879; 1625; 2495; 3032; 3170; 3317
FauNDI	CA!TATG	1	164
FbaI	T!GATCA	1	1029
FblI	GT!MKAC	2	360; 875
FmuI	GGNC!C	10	283; 526; 891; 892; 1482; 2891; 3336; 3382; 3440; 3473
Fnu4HI	GC!NGC	28	112; 1149; 1668; 1690; 1704; 2142; 2281; 2333; 2344; 2434; 2439; 2476; 2517; 2604; 2610; 2846; 2942; 2983; 2997; 3111; 3450; 3465; 3676; 3882; 3885; 3950; 4093; 4248
FokI	GGATGNNNNNNNNNN!	5	563; 2239; 2696; 2721; 3175
FokI	!NNNNNNNNNNNNNCATCC	1	2045
FriOI	GRGCY!C	5	855; 892; 1563; 2737; 3447
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	2474
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	9	115; 908; 1020; 1221; 1639; 2195; 3210; 3544; 3797
FspEI	CCNNNNNNNNNNNN!	125	24; 58; 102; 137; 211; 248; 296; 361; 377; 401; 539; 592; 695; 716; 821; 849; 897; 912; 934; 1055; 1094; 1108; 1249; 1344; 1368; 1391; 1414; 1432; 1454; 1475; 1494; 1513; 1542; 1563; 1577; 1603; 1691; 1717; 1766; 1807; 1825; 1864; 1880; 1918; 1975; 1990; 2047; 2067; 2081; 2098; 2112; 2149; 2164; 2207; 2290; 2357; 2388; 2408; 2423; 2468; 2482; 2548; 2562; 2581; 2597; 2638; 2658; 2705; 2755; 2771; 2791; 2816; 2836; 2859; 2886; 2904; 2930; 2970; 2996; 3020; 3076; 3090; 3118; 3161; 3182; 3217; 3261; 3349; 3373; 3395; 3415; 3431; 3452; 3466; 3485; 3569; 3589; 3617; 3632; 3666; 3708; 3735; 3750; 3795; 3819; 3833; 3855; 3881; 3901; 3925; 3951; 3999; 4018; 4037; 4063; 4098; 4143; 4173; 4187; 4238; 4252; 4277; 4293; 4314; 4343
FspEI	!NNNNNNNNNNNNNNNGG	112	93; 163; 205; 227; 259; 292; 311; 341; 377; 413; 436; 455; 485; 506; 532; 572; 598; 617; 689; 727; 803; 821; 863; 887; 926; 970; 1043; 1143; 1212; 1320; 1369; 1391; 1419; 1455; 1500; 1529; 1565; 1584; 1612; 1632; 1695; 1718; 1826; 1858; 1876; 1905; 1948; 1977; 2088; 2117; 2160; 2181; 2209; 2242; 2262; 2287; 2314; 2339; 2361; 2389; 2415; 2436; 2487; 2508; 2526; 2574; 2610; 2666; 2691; 2715; 2744; 2767; 2791; 2817; 2839; 2858; 2883; 2923; 2959; 3024; 3109; 3133; 3162; 3196; 3217; 3237; 3282; 3309; 3328; 3361; 3413; 3444; 3471; 3523; 3621; 3692; 3737; 3798; 3863; 3897; 3923; 3941; 3977; 4047; 4070; 4092; 4116; 4149; 4197; 4232; 4250; 4307
Fsp4HI	GC!NGC	28	112; 1149; 1668; 1690; 1704; 2142; 2281; 2333; 2344; 2434; 2439; 2476; 2517; 2604; 2610; 2846; 2942; 2983; 2997; 3111; 3450; 3465; 3676; 3882; 3885; 3950; 4093; 4248
GdiII	C!GGCCR	1	2278
GdiII	Y!GGCCG	3	2278; 2843; 2870

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
GlaI	GC!GC	21	119; 1637; 1645; 1671; 1693; 1702; 1715; 1746; 2365; 2373; 2437; 2474; 2740; 3000; 3176; 3262; 3665; 3774; 3948; 4048; 4115
GluI	GC!NGC	28	112; 1149; 1668; 1690; 1704; 2142; 2281; 2333; 2344; 2434; 2439; 2476; 2517; 2604; 2610; 2846; 2942; 2983; 2997; 3111; 3450; 3465; 3676; 3882; 3885; 3950; 4093; 4248
GsaI	CCCAG!C	4	925; 1919; 1991; 3990
GsaI	GCTGG!G	1	2880
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	3212
GsuI	!NNNNNNNNNNNNNNCTCCAG	1	3155
HaeI	WGG!CCW	5	2193; 2454; 3816; 4268; 4279
HaeII	RGCGC!Y	5	121; 1639; 1647; 2375; 4050
HaeIII	GG!CC	18	890; 1338; 1480; 2135; 2141; 2150; 2193; 2280; 2454; 2845; 2872; 3381; 3438; 3471; 3816; 4250; 4268; 4279
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	3	684; 1047; 2568
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	650; 1013; 2534
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	3	683; 1046; 2567
HaeIV	!NNNNNNNGAYNNNNNRTC	3	652; 1015; 2536
HapII	C!CGG	20	124; 836; 892; 902; 1590; 2277; 2354; 2376; 2404; 2535; 2625; 2692; 2873; 3148; 3156; 3248; 3722; 3912; 3938; 4085
HgaI	GACGCNNNNN!	2	3082; 3161
HgaI	!NNNNNNNNNNGCGTC	3	1705; 3600; 4178
HhaI	GCG!C	21	120; 1638; 1646; 1672; 1694; 1703; 1716; 1747; 2366; 2374; 2438; 2475; 2741; 3001; 3177; 3263; 3666; 3775; 3949; 4049; 4116
Hin1I	GR!CGYC	3	2372; 3074; 3153
Hin1II	CATG!	17	138; 404; 615; 778; 1802; 1942; 2014; 2105; 2246; 2591; 2777; 2808; 2834; 3190; 3574; 4294; 4345
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	4	464; 683; 1046; 2567
Hin4I	!NNNNNNNNGABNNNNNRTC	4	651; 1014; 2535; 2565
Hin4I	GABNNNNNRTCNNNNNNNNNNNNN!	4	683; 1046; 2567; 2597
Hin4I	!NNNNNNNNGAYNNNNNVTC	4	432; 651; 1014; 2535
Hin6I	G!CGC	21	118; 1636; 1644; 1670; 1692; 1701; 1714; 1745; 2364; 2372; 2436; 2473; 2739; 2999; 3175; 3261; 3664; 3773; 3947; 4047; 4114
HinP1I	G!CGC	21	118; 1636; 1644; 1670; 1692; 1701; 1714; 1745; 2364; 2372; 2436; 2473; 2739; 2999; 3175; 3261; 3664; 3773; 3947; 4047; 4114
HincII	GTY!RAC	2	876; 1135
HindII	GTY!RAC	2	876; 1135
HindIII	A!AGCTT	1	857
HinfI	G!ANTC	13	395; 495; 839; 1415; 1437; 1847; 2857; 2991; 3043; 3101; 3138; 3920; 4316
HpaI	GTT!AAC	1	1135
HpaII	C!CGG	20	124; 836; 892; 902; 1590; 2277; 2354; 2376; 2404; 2535; 2625; 2692; 2873; 3148; 3156; 3248; 3722; 3912; 3938; 4085
HphI	GGTGANNNNNNNN!	2	3443; 3559
HphI	!NNNNNNNTCACC	2	1489; 2550
Hpy8I	GTN!NAC	10	361; 507; 637; 711; 876; 1135; 1419; 1436; 1491; 3978
Hpy99I	CGWCG!	8	880; 2462; 2490; 2784; 2799; 3076; 3461; 4194
Hpy166II	GTN!NAC	10	361; 507; 637; 711; 876; 1135; 1419; 1436; 1491; 3978
Hpy188I	TCN!GA	13	141; 219; 844; 1546; 2155; 2339; 2683; 3036; 3137; 3616; 3750; 4103; 4181
Hpy188III	TC!NNGA	23	388; 451; 836; 848; 1799; 1851; 2164; 2217; 2390; 2706; 2715; 2798; 2854; 2898; 2988; 3021; 3090; 3571; 3645; 3728; 3826; 3924; 4058
HpyAV	CCTTCNNNNNN!	4	818; 3017; 3124; 3803
HpyAV	!NNNNNGAAGG	12	175; 220; 235; 385; 592; 1605; 2500; 3229; 3245; 3428; 3745; 4055
HpyCH4III	ACN!GT	12	189; 430; 472; 880; 1463; 2752; 2868; 2976; 3299; 3790; 4260; 4331
HpyCH4IV	A!CGT	10	764; 792; 1432; 1444; 1487; 1597; 2488; 2675; 3456; 3589
HpyCH4V	TG!CA	22	55; 162; 534; 790; 871; 977; 1121; 1148; 1216; 1933; 1942; 2005; 2014; 2129; 2205; 2264; 2423; 2598; 2612; 3682; 3978; 4345
HpyF3I	C!TNAG	13	218; 332; 449; 566; 674; 812; 841; 1852; 2154; 3035; 3484; 3607; 4016

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HpyF10VI	GCNNNNN!NNGC	20	117; 1599; 1629; 1656; 1698; 1939; 2011; 2062; 2141; 2363; 2447; 2470; 2609; 2732; 2815; 3082; 3269; 3473; 3672; 4244
Hsp92I	GR!CGYC	3	2372; 3074; 3153
Hsp92II	CATG!	17	138; 404; 615; 778; 1802; 1942; 2014; 2105; 2246; 2591; 2777; 2808; 2834; 3190; 3574; 4294; 4345
HspAI	G!CGC	21	118; 1636; 1644; 1670; 1692; 1701; 1714; 1745; 2364; 2372; 2436; 2473; 2739; 2999; 3175; 3261; 3664; 3773; 3947; 4047; 4114
KasI	G!GCGCC	1	2371
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	1	884
Kpn2I	T!CCGGA	1	835
KspI	CCGC!GG	1	887
Ksp22I	T!GATCA	1	1029
KspAI	GTT!AAC	1	1135
Kzo9I	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	2	2716; 2926
LpnI	RGC!GCGY	5	119; 1637; 1645; 2373; 4048
LpnPI	CCDGNNNNNNNNN!	55	58; 137; 377; 401; 539; 593; 695; 716; 849; 905; 935; 1109; 1414; 1603; 1826; 1864; 1880; 1920; 1975; 1992; 2092; 2177; 2290; 2367; 2389; 2412; 2548; 2562; 2581; 2638; 2705; 2755; 2771; 2828; 2886; 3095; 3161; 3185; 3261; 3350; 3453; 3486; 3717; 3735; 3881; 3901; 3925; 3951; 4000; 4098; 4143; 4173; 4252; 4277; 4314
LpnPI	!NNNNNNNNNNNNNNCHGG	47	93; 436; 689; 821; 877; 970; 1455; 1575; 1632; 1695; 1893; 1905; 1965; 1977; 2209; 2254; 2297; 2339; 2361; 2389; 2436; 2498; 2520; 2610; 2677; 2700; 2744; 2839; 2858; 2883; 3032; 3133; 3176; 3233; 3323; 3426; 3453; 3471; 3707; 3744; 3897; 3923; 4063; 4081; 4116; 4197; 4250
Lsp1109I	GCAGCNNNNNNNN!	6	1160; 2445; 2487; 3008; 3461; 3961
Lsp1109I	!NNNNNNNNNNNNNGCTGC	7	98; 1654; 2319; 2503; 2596; 3662; 3868
LweI	GCATCNNNNN!	6	1188; 1951; 2023; 2671; 2735; 3010
LweI	!NNNNNNNNNGATGC	4	2330; 2585; 2801; 4193
MabI	A!CCWGGT	1	1961
MaeI	C!TAG	9	115; 908; 1020; 1221; 1639; 2195; 3210; 3544; 3797
MaeII	A!CGT	10	764; 792; 1432; 1444; 1487; 1597; 2488; 2675; 3456; 3589
MaeIII	!GTNAC	15	40; 411; 604; 799; 911; 987; 1160; 1661; 1673; 2492; 2798; 3488; 3754; 3870; 3933
MalI	GA!TC	21	330; 846; 897; 906; 1031; 2211; 2215; 2234; 2545; 2623; 2704; 2713; 2791; 3167; 3183; 3542; 3554; 3632; 3640; 3651; 3726
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	0	
MaqI	!NNNNNNNNNNNNNNNNNNNNNGTCAAYG	0	
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	1796; 2985
MbiI	GAG!CGG	2	1632; 3039
MboI	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
MboII	GAAGANNNNNNNN!	7	436; 549; 1628; 1856; 2733; 2943; 3562
MboII	!NNNNNNNTCTTC	4	3023; 3190; 3390; 3633
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	1122
MfII	R!GATCY	11	328; 844; 895; 904; 2543; 2789; 3181; 3540; 3552; 3638; 3649
MhII	GDGCH!C	10	855; 892; 1563; 2318; 2411; 2485; 2675; 2737; 3447; 3980
MIsI	TGG!CCA	1	2454
MluI	A!CGCGT	1	1258
MluNI	TGG!CCA	1	2454
MlyI	GAGTCNNNNN!	2	1424; 1856
MlyI	!NNNNNGACTC	4	833; 1431; 3037; 3914
Mly113I	GG!CGCC	1	2372
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	1	1465
MmeI	!NNNNNNNNNNNNNNNNNNNGTYGGA	2	3897; 4081
MnII	CCTCNNNNNNN!	7	1091; 2155; 2973; 3179; 3493; 3863; 4187
MnII	!NNNNNGAGG	16	213; 267; 549; 625; 1051; 1516; 1847; 2125; 2168; 2183; 2223; 2287; 2423; 2780; 3210; 4113
Mph1103I	ATGCA!T	4	164; 1944; 2016; 4347

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	835
MroNI	G!CCGGC	3	1589; 2872; 3155
MroXI	GAANN!NN TTC	0	
MscI	TGG!CCA	1	2454
MseI	T!TAA	22	149; 206; 263; 344; 374; 491; 656; 740; 1073; 1134; 1255; 1276; 1287; 1299; 1310; 1327; 1425; 1696; 3515; 3529; 3534; 3586
MslI	CAYNN!NNRTG	2	549; 2809
MspI	C!CGG	20	124; 836; 892; 902; 1590; 2277; 2354; 2376; 2404; 2535; 2625; 2692; 2873; 3148; 3156; 3248; 3722; 3912; 3938; 4085
Msp20I	TGG!CCA	1	2454
MspAII	CMG!CKG	5	886; 1870; 2478; 3707; 3952
MspCI	C!TTAAG	0	
MspJI	CNNRNNNNNNNNN!	215	24; 47; 71; 101; 120; 136; 152; 175; 230; 248; 262; 315; 333; 361; 376; 400; 413; 431; 461; 478; 511; 530; 547; 578; 592; 616; 650; 677; 694; 715; 761; 787; 803; 816; 835; 848; 862; 875; 897; 914; 928; 942; 975; 993; 1012; 1032; 1045; 1060; 1079; 1096; 1109; 1150; 1164; 1177; 1195; 1233; 1248; 1266; 1307; 1331; 1351; 1369; 1390; 1413; 1445; 1460; 1482; 1500; 1513; 1534; 1551; 1564; 1577; 1593; 1606; 1636; 1651; 1676; 1694; 1707; 1722; 1746; 1760; 1784; 1809; 1825; 1863; 1879; 1918; 1932; 1946; 1974; 1990; 2004; 2018; 2047; 2060; 2081; 2090; 2112; 2142; 2158; 2176; 2206; 2229; 2253; 2277; 2296; 2324; 2350; 2366; 2379; 2402; 2416; 2436; 2449; 2463; 2482; 2496; 2509; 2525; 2540; 2553; 2569; 2584; 2600; 2625; 2644; 2660; 2673; 2686; 2704; 2718; 2732; 2748; 2770; 2786; 2805; 2827; 2843; 2866; 2885; 2899; 2915; 2929; 2949; 2965; 2978; 3000; 3033; 3047; 3067; 3080; 3094; 3148; 3161; 3184; 3197; 3216; 3233; 3260; 3296; 3329; 3348; 3373; 3394; 3421; 3434; 3451; 3465; 3480; 3496; 3556; 3581; 3597; 3619; 3632; 3646; 3677; 3691; 3716; 3734; 3749; 3762; 3781; 3794; 3809; 3838; 3857; 3875; 3900; 3915; 3934; 3950; 3969; 3987; 4003; 4017; 4036; 4063; 4086; 4108; 4127; 4142; 4155; 4172; 4192; 4219; 4232; 4251; 4276; 4299; 4313; 4326; 4343
MspJI	!NNNNNNNNNNNNNYNG	182	16; 35; 53; 80; 101; 121; 145; 163; 203; 224; 243; 278; 311; 341; 374; 407; 424; 452; 478; 512; 533; 553; 581; 598; 615; 643; 661; 679; 701; 727; 749; 777; 799; 821; 842; 871; 888; 908; 927; 957; 981; 1002; 1024; 1053; 1082; 1124; 1207; 1245; 1269; 1292; 1321; 1365; 1387; 1419; 1455; 1472; 1493; 1530; 1550; 1567; 1584; 1619; 1637; 1655; 1672; 1696; 1718; 1745; 1773; 1799; 1837; 1858; 1875; 1893; 1916; 1937; 1965; 1988; 2009; 2027; 2048; 2065; 2088; 2112; 2132; 2150; 2172; 2203; 2225; 2251; 2270; 2287; 2315; 2334; 2353; 2371; 2389; 2410; 2432; 2456; 2489; 2509; 2527; 2548; 2574; 2601; 2618; 2635; 2652; 2678; 2700; 2722; 2740; 2760; 2779; 2801; 2839; 2859; 2883; 2903; 2923; 2950; 2974; 3007; 3026; 3054; 3076; 3105; 3133; 3158; 3177; 3196; 3217; 3234; 3251; 3282; 3309; 3329; 3352; 3372; 3409; 3426; 3445; 3471; 3491; 3530; 3557; 3576; 3594; 3631; 3649; 3690; 3708; 3734; 3751; 3783; 3812; 3840; 3861; 3884; 3903; 3924; 3942; 3959; 3977; 4003; 4024; 4044; 4064; 4082; 4103; 4129; 4146; 4165; 4184; 4213; 4232; 4250; 4269; 4287; 4305; 4328
MspR9I	CC!NGG	16	704; 892; 893; 1908; 1963; 1980; 2376; 2536; 2759; 3149; 3338; 3441; 3913; 4131; 4144; 4265
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1122
MvaI	CC!WGG	10	704; 1908; 1963; 1980; 2759; 3338; 3441; 4131; 4144; 4265
Mva1269I	GAATGCN!	1	1123
Mva1269I	G!CATTC	2	559; 1216
MvnI	CG!CG	15	886; 1260; 1296; 1672; 1692; 1716; 1747; 2438; 2739; 3177; 3261; 3324; 3393; 3666; 4247
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	20	117; 1599; 1629; 1656; 1698; 1939; 2011; 2062; 2141; 2363; 2447; 2470; 2609; 2732; 2815; 3082; 3269; 3473; 3672; 4244
NaeI	GCC!GGC	3	1591; 2874; 3157
NarI	GG!CGCC	1	2372
NciI	CC!SGG	6	892; 893; 2376; 2536; 3149; 3913
NcoI	C!CATGG	2	2101; 2804
NdeI	CA!TATG	1	164

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NdeII	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	0	
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	0	
NgoMIV	G!CCGGC	3	1589; 2872; 3155
NheI	G!CTAGC	1	114
NlaII	CATG!	17	138; 404; 615; 778; 1802; 1942; 2014; 2105; 2246; 2591; 2777; 2808; 2834; 3190; 3574; 4294; 4345
NlaIV	GGN!NCC	16	882; 890; 897; 1527; 1548; 1560; 1751; 1912; 1984; 2373; 2408; 3256; 3335; 3380; 4223; 4262
NlaCI	CATCACNNNNNNNNNNNNNNNN!	3	1204; 1519; 3111
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	1	4183
Nii3877I	CYCGR!G	2	852; 895
NmeAIII	GCCGAGNNNNNNNNNNNNNNNN!	2	2161; 2597
NmeAIII	!NNNNNNNNNNNNNNNNNCTCGGC	1	2126
NmeDI	RCCGGYNNNNNN!	5	135; 1601; 2703; 2884; 3167
NmeDI	!NNNNNNNNNNNNRCCGGY	5	110; 1576; 2678; 2859; 3142
NmuCI	!GTSAC	6	40; 799; 987; 1661; 2492; 2798
NotI	GC!GGCCGC	0	
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	2474
NsiI	ATGCA!T	4	164; 1944; 2016; 4347
NspI	RCATG!Y	4	1942; 2014; 2777; 4294
NspV	TT!CGAA	2	862; 3054
OliI	CACNN!NNGTG	0	
PabI	GTA!C	7	99; 187; 214; 247; 883; 935; 2679
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	1942; 2014; 2777
PaeR7I	C!TCGAG	1	848
PagI	T!CATGA	2	1798; 3570
PaIAI	GG!CGCGCC	0	
PasI	CC!CWGGG	2	3337; 3440
PauI	G!CGCGC	0	
PceI	AGG!CCT	1	2193
PciI	A!CATGT	1	4290
PciSI	GCTCTTCN!	0	
PciSI	!NNNNGAAGAGC	2	2716; 2926
PcsI	WCGNNNN!NNNCGW	7	761; 2666; 2743; 2986; 3060; 3453; 3971
PctI	GAATGCN!	1	1123
PctI	G!CATTC	2	559; 1216
PdiI	GCC!GGC	3	1591; 2874; 3157
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	7	395; 495; 2857; 2991; 3101; 3138; 4316
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	2490
PfIMI	CCANNNN!NTGG	0	
PfoI	T!CCNGGA	1	3147
PhoI	GG!CC	18	890; 1338; 1480; 2135; 2141; 2150; 2193; 2280; 2454; 2845; 2872; 3381; 3438; 3471; 3816; 4250; 4268; 4279
PinAI	A!CCGGT	1	123
PlaDI	CATCAGNNNNNNNNNNNNNNNN!	1	2753
PlaDI	!NNNNNNNNNNNNNNNNNCTGATG	3	564; 2318; 2573
PleI	GAGTCNNNN!	2	1423; 1855
PleI	!NNNNNGACTC	4	833; 1431; 3037; 3914
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmII	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNN!	1	1454
PpiI	!NNNNNNNNGAGNNNNNGTTC	1	3584
PpiI	GAGNNNNNGTTCNNNNNNNNNN!	1	3616
PpiI	!NNNNNNNGAACNNNNNCTC	1	1422
Ppsi	GAGTCNNNN!	2	1423; 1855

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PpsI	!NNNNNGACTC	4	833; 1431; 3037; 3914
Ppu10I	A!TGCAT	4	160; 1940; 2012; 4343
Ppu21I	YAC!GTR	2	1488; 2676
PpuMI	RG!GWCCY	1	280
PscI	A!CATGT	1	4290
PshAI	GACNN!NNGTC	0	
PshBI	AT!TAAT	0	
PsiI	TTA!TAA	5	83; 485; 949; 1155; 1360
Psp03I	GGWC!C	4	283; 526; 2891; 3336
Psp5II	RG!GWCCY	1	280
Psp6I	!CCWGG	10	702; 1906; 1961; 1978; 2757; 3336; 3439; 4129; 4142; 4263
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	855
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	10	702; 1906; 1961; 1978; 2757; 3336; 3439; 4129; 4142; 4263
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	16	882; 890; 897; 1527; 1548; 1560; 1751; 1912; 1984; 2373; 2408; 3256; 3335; 3380; 4223; 4262
PspOMI	G!GGCCC	1	888
PspOMII	CGCCARNNNNNNNNNNNNNNNNNNN!	2	2102; 3101
PspOMII	!NNNNNNNNNNNNNNNNNYTGGGCG	1	2504
PspPI	G!GNCC	10	280; 523; 888; 889; 1479; 2888; 3333; 3379; 3437; 3470
PspPPI	RG!GWCCY	1	280
PspPRI	CCYAGNNNNNNNNNNNNNNNN!	3	1925; 1997; 3503
PspPRI	!NNNNNNNNNNNNNNCTGRGG	3	204; 1838; 3033
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	2	283; 3473
PstI	CTGCA!G	1	873
PstNI	CAGNNN!CTG	2	3473; 3881
PsuI	R!GATCY	11	328; 844; 895; 904; 2543; 2789; 3181; 3540; 3552; 3638; 3649
PsyI	GACN!NNGTC	1	2490
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	1870; 2478
RcaI	T!CATGA	2	1798; 3570
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	1	2887
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	1	1101
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	7	98; 186; 213; 246; 882; 934; 2678
RsaNI	G!TAC	7	97; 185; 212; 245; 881; 933; 2677
RseI	CAYNN!NNRTG	2	549; 2809
RsrII	CG!GWCCG	1	2888
Rsr2I	CG!GWCCG	1	2888
SacI	GAGCT!C	1	855
SacII	CCGC!GG	1	887
SalI	G!TCGAC	1	874
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	2	2716; 2926
SaqAI	T!TAA	22	149; 206; 263; 344; 374; 491; 656; 740; 1073; 1134; 1255; 1276; 1287; 1299; 1310; 1327; 1425; 1696; 3515; 3529; 3534; 3586

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SatI	GC!NGC	28	112; 1149; 1668; 1690; 1704; 2142; 2281; 2333; 2344; 2434; 2439; 2476; 2517; 2604; 2610; 2846; 2942; 2983; 2997; 3111; 3450; 3465; 3676; 3882; 3885; 3950; 4093; 4248
Sau96I	G!GNCC	10	280; 523; 888; 889; 1479; 2888; 3333; 3379; 3437; 3470
Sau3AI	!GATC	21	328; 844; 895; 904; 1029; 2209; 2213; 2232; 2543; 2621; 2702; 2711; 2789; 3165; 3181; 3540; 3552; 3630; 3638; 3649; 3724
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	2	1424; 1856
SchI	!NNNNNGACTC	4	833; 1431; 3037; 3914
SciI	CTC!GAG	1	850
ScrFI	CC!NGG	16	704; 892; 893; 1908; 1963; 1980; 2376; 2536; 2759; 3149; 3338; 3441; 3913; 4131; 4144; 4265
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNNNN!	5	561; 1950; 2022; 2191; 4133
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	2	2527; 3012
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	0	
SduI	GDGCH!C	10	855; 892; 1563; 2318; 2411; 2485; 2675; 2737; 3447; 3980
SelI	!CGCG	15	884; 1258; 1294; 1670; 1690; 1714; 1745; 2436; 2737; 3175; 3259; 3322; 3391; 3664; 4245
SetI	ASST!	58	47; 186; 231; 246; 282; 360; 603; 636; 651; 687; 767; 786; 795; 855; 861; 913; 927; 989; 1062; 1083; 1092; 1104; 1153; 1320; 1435; 1447; 1490; 1527; 1577; 1600; 1724; 1872; 1967; 2160; 2273; 2401; 2480; 2491; 2563; 2634; 2678; 2938; 3084; 3128; 3459; 3490; 3549; 3592; 3735; 3756; 3855; 3992; 4007; 4026; 4038; 4082; 4128; 4179
SexAI	A!CCWGGT	1	1961
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	6	1188; 1951; 2023; 2671; 2735; 3010
SfaNI	!NNNNNNNNNGATGC	4	2330; 2585; 2801; 4193
SfcI	C!TRYAG	4	869; 1707; 3834; 4025
SfiI	GGCCNNNN!NGGCC	1	2147
SfoI	GGC!GCC	1	2373
Sfr274I	C!TCGAG	1	848
Sfr303I	CCGC!GG	1	887
SfuI	TT!CGAA	2	862; 3054
SgeI	CNNGNNNNNNNNN!	160	6; 57; 120; 136; 367; 400; 413; 463; 478; 511; 538; 592; 624; 654; 694; 715; 787; 803; 816; 848; 862; 897; 914; 934; 997; 1032; 1079; 1108; 1150; 1233; 1271; 1307; 1391; 1413; 1445; 1482; 1500; 1519; 1534; 1576; 1593; 1610; 1645; 1659; 1676; 1698; 1722; 1746; 1811; 1825; 1863; 1879; 1919; 1932; 1951; 1974; 1991; 2004; 2023; 2053; 2074; 2091; 2114; 2149; 2176; 2207; 2229; 2255; 2277; 2296; 2324; 2360; 2379; 2402; 2416; 2436; 2449; 2463; 2482; 2496; 2515; 2547; 2561; 2574; 2600; 2631; 2644; 2661; 2678; 2692; 2709; 2727; 2742; 2770; 2786; 2805; 2827; 2843; 2866; 2885; 2910; 2929; 2949; 2976; 3000; 3033; 3052; 3080; 3094; 3160; 3184; 3199; 3222; 3243; 3260; 3308; 3335; 3349; 3378; 3402; 3435; 3452; 3472; 3485; 3498; 3556; 3583; 3602; 3632; 3657; 3677; 3691; 3716; 3734; 3771; 3809; 3838; 3866; 3880; 3900; 3915; 3936; 3950; 3969; 3987; 4003; 4043; 4063; 4090; 4108; 4129; 4142; 4155; 4172; 4196; 4219; 4251; 4276; 4303; 4325
SgeI	!NNNNNNNNNNNNNCNNG	140	31; 94; 121; 341; 374; 437; 485; 512; 566; 598; 628; 668; 689; 761; 790; 822; 842; 871; 888; 908; 971; 1006; 1053; 1082; 1124; 1207; 1245; 1281; 1365; 1387; 1419; 1456; 1474; 1493; 1550; 1567; 1584; 1619; 1637; 1657; 1677; 1696; 1720; 1785; 1837; 1893; 1925; 1948; 1965; 1997; 2027; 2048; 2065; 2088; 2123; 2150; 2181; 2203; 2229; 2251; 2270; 2298; 2334; 2353; 2376; 2397; 2415; 2432; 2456; 2489; 2521; 2548; 2574; 2605; 2635; 2652; 2678; 2701; 2722; 2744; 2764; 2784; 2801; 2840; 2859; 2884; 2903; 2923; 2950; 2974; 3007; 3026; 3054; 3076; 3134; 3158; 3177; 3196; 3217; 3234; 3282; 3309; 3329; 3352; 3376; 3409; 3426; 3446; 3472; 3530; 3557; 3576; 3606; 3631; 3651; 3690; 3708; 3745; 3783; 3812; 3840; 3861; 3889; 3910; 3943; 3961; 4017; 4037; 4064; 4082; 4103; 4129; 4146; 4170; 4193; 4225; 4250; 4277; 4299; 4328

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	1	887
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	3	1519; 3306; 4099
SimI	!GACCC	3	2800; 3368; 3616
SinI	G!GWCC	4	280; 523; 2888; 3333
SlaI	C!TCGAG	1	848
SmaI	CCC!GGG	1	893
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	2	549; 2809
SmlI	C!TYRAG	7	353; 848; 854; 2763; 3645; 3922; 4184
SmoI	C!TYRAG	7	353; 848; 854; 2763; 3645; 3922; 4184
SmuI	CCCGNNNN!	5	1694; 2049; 2070; 3266; 3398
SmuI	!NNNNNNGCGGG	6	879; 1625; 2495; 3032; 3170; 3317
SnaBI	TAC!GTA	0	
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	1942; 2014; 2777
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	16	60; 142; 622; 737; 826; 864; 968; 1122; 1186; 1264; 1290; 1301; 1948; 2020; 2112; 3530
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCC	1	280
SseBI	AGG!CCT	1	2193
SsiI	C!CGC	25	884; 1687; 1690; 1704; 1794; 2042; 2054; 2063; 2075; 2085; 2096; 2142; 2281; 2344; 2846; 2891; 2957; 2983; 3108; 3111; 3259; 3391; 3698; 3842; 4338
SsiI	G!CGG	21	886; 1632; 1659; 1747; 1857; 2438; 2502; 2603; 2606; 2886; 2941; 3039; 3177; 3324; 3464; 3707; 3952; 4073; 4092; 4219; 4247
SspI	AAT!ATT	3	654; 1280; 1833
SspDI	G!GCGCC	1	2371
SspD5I	GGTGANNNNNNN!	2	3443; 3559
SspD5I	!NNNNNNNNTCACC	2	1488; 2549
SstI	GAGCT!C	1	855
SstII	CCGC!GG	1	887
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	0	
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNN!	13	898; 1571; 1693; 2048; 2069; 2382; 2785; 2924; 2995; 3265; 3397; 3627; 4065
Sth132I	!NNNNNNNCGGG	16	878; 1572; 1624; 1725; 2452; 2494; 2527; 3031; 3140; 3169; 3316; 3420; 3451; 3904; 3948; 4156
Sth302II	CC!GG	20	125; 837; 893; 903; 1591; 2278; 2355; 2377; 2405; 2536; 2626; 2693; 2874; 3149; 3157; 3249; 3723; 3913; 3939; 4086
StrI	C!TCGAG	1	848
StsI	GGATGNNNNNNNNN!	5	564; 2240; 2697; 2722; 3176
StsI	!NNNNNNNNNNNNNNCATCC	1	2044
StuI	AGG!CCT	1	2193
StyI	C!CWWGG	4	2101; 2194; 2804; 3209
StyD4I	!CCNGG	16	702; 890; 891; 1906; 1961; 1978; 2374; 2534; 2757; 3147; 3336; 3439; 3911; 4129; 4142; 4263
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	12	189; 430; 472; 880; 1463; 2752; 2868; 2976; 3299; 3790; 4260; 4331
TaiI	ACGT!	10	767; 795; 1435; 1447; 1490; 1600; 2491; 2678; 3459; 3592
TaqI	T!CGA	14	849; 862; 875; 1521; 2212; 2485; 2641; 2665; 2701; 2863; 3054; 3099; 3354; 4192
TaqII	GACCGANNNNNNNNN!	3	1392; 2409; 3077
TaqII	!NNNNNNNNTCGGTC	1	3321
TaqII	CACCCANNNNNNNNN!	0	
TaqII	!NNNNNNNNTGGGTG	2	2276; 2868
TasI	!AATT	16	60; 142; 622; 737; 826; 864; 968; 1122; 1186; 1264; 1290; 1301; 1948; 2020; 2112; 3530
TatI	W!GTACW	3	96; 211; 932

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TauI	GCSG!C	15	1692; 1706; 2144; 2283; 2346; 2441; 2606; 2609; 2848; 2944; 2985; 3113; 3467; 4095; 4250
TfiI	G!AWTC	7	395; 495; 2857; 2991; 3101; 3138; 4316
TliI	C!TCGAG	1	848
TruII	T!TAA	22	149; 206; 263; 344; 374; 491; 656; 740; 1073; 1134; 1255; 1276; 1287; 1299; 1310; 1327; 1425; 1696; 3515; 3529; 3534; 3586
Tru9I	T!TAA	22	149; 206; 263; 344; 374; 491; 656; 740; 1073; 1134; 1255; 1276; 1287; 1299; 1310; 1327; 1425; 1696; 3515; 3529; 3534; 3586
TscAI	CASTGNN!	6	570; 1218; 2501; 3611; 3882; 3895
TseI	G!CWGC	14	111; 1148; 1667; 2332; 2433; 2475; 2516; 2609; 2996; 3449; 3675; 3881; 3884; 3949
TsoI	TARCCANNNNNNNNNNN!	4	211; 361; 1344; 1691
TsoI	!NNNNNNNNNTGGYTA	2	1149; 2901
Tsp45I	!GTSAC	6	40; 799; 987; 1661; 2492; 2798
Tsp509I	!AATT	16	60; 142; 622; 737; 826; 864; 968; 1122; 1186; 1264; 1290; 1301; 1948; 2020; 2112; 3530
TspDTI	ATGAANNNNNNNNNNN!	6	181; 437; 791; 1130; 2431; 3135
TspDTI	!NNNNNNNNNTTCAT	4	305; 2849; 3305; 3512
TspEI	!AATT	16	60; 142; 622; 737; 826; 864; 968; 1122; 1186; 1264; 1290; 1301; 1948; 2020; 2112; 3530
TspGWI	ACGGANNNNNNNNNNN!	1	3247
TspGWI	!NNNNNNNNNTCCGT	0	
TspMI	C!CCGGG	1	891
TspRI	CASTGNN!	6	570; 1218; 2501; 3611; 3882; 3895
TstI	CACNNNNNTCCNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNN!	0	
TstI	!NNNNNNNCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	2490
Tth111II	CAARCANNNNNNNNNNN!	2	266; 3699
Tth111III	!NNNNNNNNNTGYTTG	4	465; 2807; 3667; 3706
UnbI	!GGNCC	10	279; 522; 887; 888; 1478; 2887; 3332; 3378; 3436; 3469
Van9II	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	0	
VneI	G!TGCAC	1	3976
VpaK11AI	!GGWCC	4	279; 522; 2887; 3332
VpaK11BI	G!GWCC	4	280; 523; 2888; 3333
VspI	AT!TAAT	0	
XagI	CCTNN!NNNAGG	1	239
XapI	R!AATY	4	864; 1186; 1290; 1301
XbaI	T!CTAGA	0	
XceI	RCATG!Y	4	1942; 2014; 2777; 4294
XcmI	CCANNNN!NNNTGG	0	
XhoI	C!TCGAG	1	848
XhoII	R!GATCY	11	328; 844; 895; 904; 2543; 2789; 3181; 3540; 3552; 3638; 3649
XmaI	C!CCGGG	1	891
XmaJI	C!CTAGG	2	2194; 3209
XmiI	GT!MKAC	2	360; 875
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	9	115; 908; 1020; 1221; 1639; 2195; 3210; 3544; 3797
ZraI	GAC!GTC	0	
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	4	164; 1944; 2016; 4347