

## pFusionRed-cadherin vector

### Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	3825; 4030
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	2	670; 2652
AasI	GACNNNN!NNGTC	4	1909; 4113; 5069; 6858
AatI	AGG!CCT	2	3412; 4863
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	2	1913; 3563
AccII	CG!CG	23	60; 1290; 1660; 2489; 2491; 2606; 2625; 2632; 2686; 3691; 3966; 4342; 4362; 4386; 4417; 5108; 5409; 5847; 5931; 5994; 6063; 6336; 6917
AccIII	T!CCGGA	1	2474
Acc16I	TGC!GCA	2	2660; 5144
Acc36I	ACCTGCNNNN!	3	857; 5310; 5760
Acc36I	!NNNNNNNNGCAGGT	3	670; 2652; 4929
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	11	465; 637; 731; 1423; 2302; 2842; 3037; 3097; 4195; 5041; 5076
AccB7I	CCANNNN!NTGG	2	2403; 3582
AccBSI	CCG!CTC	2	4466; 5655
AccBSI	GAG!CGG	3	3685; 4302; 5709
AceIII	CAGCTCNNNNNNN!	2	2844; 3998
AceIII	!NNNNNNNNNNGAGCTG	4	552; 2905; 2932; 2983
AcI	C!CGC	45	58; 86; 98; 112; 279; 507; 589; 596; 1538; 1658; 1830; 2105; 2375; 2487; 2604; 2623; 2630; 3296; 3434; 3536; 3689; 4357; 4360; 4374; 4464; 4712; 4724; 4733; 4745; 4755; 4766; 4812; 4951; 5014; 5516; 5561; 5627; 5653; 5778; 5781; 5929; 6061; 6368; 6512; 7008
AcI	G!CGG	39	370; 403; 528; 1497; 1660; 1801; 2463; 2466; 2469; 2549; 2552; 2606; 2609; 2625; 2749; 3131; 3443; 3485; 3685; 4302; 4329; 4417; 4527; 5108; 5172; 5273; 5276; 5556; 5611; 5709; 5847; 5994; 6134; 6377; 6622; 6743; 6762; 6889; 6917
AcII	AA!CGTT	0	
AcIWI	GGATCNNNN!	8	2975; 4910; 5221; 5467; 5859; 6218; 6316; 6402
AcIWI	!NNNNNGATCC	8	580; 2508; 2962; 3518; 5286; 5830; 6217; 6314
AcoI	Y!GGCCR	12	1325; 1784; 2082; 2201; 2321; 2372; 3641; 3686; 4948; 5122; 5513; 5540
AcsI	R!AATTY	4	2146; 3856; 3960; 3971
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	6	1204; 1427; 1765; 3493; 5188; 5620
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	6418
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	11	122; 175; 258; 444; 638; 732; 2639; 3560; 5042; 5744; 5823
AdeI	CACNNN!GTG	2	3633; 4158
AfaI	GT!AC	16	219; 244; 299; 332; 383; 540; 847; 949; 1174; 1390; 1486; 2923; 3028; 3178; 3430; 5348
AfeI	AGC!GCT	0	
AfiI	CCNNNNN!NNGG	38	49; 608; 728; 920; 1149; 1311; 1472; 1548; 1659; 1746; 1771; 1800; 1832; 1935; 2265; 2403; 2481; 2610; 2940; 3094; 3373; 3439; 3582; 4054; 4380; 4772; 5023; 5567; 5848; 5880; 6012; 6047; 6097; 6129; 6482; 6761; 6927; 6945
AfiII	C!TTAAG	1	3924
AfiIII	A!CRYGT	2	905; 6960
AgeI	A!CCGGT	1	2973
AgsI	TTS!AA	10	1071; 2005; 2145; 2157; 3060; 4453; 4497; 4507; 4920; 6496
AhdI	GACNNN!NNGTC	0	
AhI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	3	906; 1032; 2865

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AjnI	!CCWGG	27	88; 281; 644; 992; 1264; 1298; 1508; 1673; 1918; 2378; 2396; 2688; 2837; 2896; 3158; 3302; 3317; 3446; 4576; 4631; 4648; 5427; 6006; 6109; 6799; 6812; 6933
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	1	2239
AjuI	CCAANNNNNNNTTCNNNNNNNNNN!	1	2271
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	4	1417; 1429; 1696; 2986
AlfI	GCANNNNNTGCNNNNNNNNNN!	3	2521; 4616; 4688
AlfI	!NNNNNNNNNGCANNNNNTGC	3	2487; 4582; 4654
AloI	GAACNNNNNTCCNNNNNNNNNN!	1	4124
AloI	!NNNNNNNGGANNNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	1	4092
AluI	AG!CT	26	566; 1010; 1244; 1604; 1743; 2088; 2526; 2573; 2834; 2919; 2946; 2997; 3024; 3170; 3477; 3821; 3988; 4245; 4540; 4828; 5148; 5606; 6403; 6660; 6706; 6796
AluBI	AG!CT	26	566; 1010; 1244; 1604; 1743; 2088; 2526; 2573; 2834; 2919; 2946; 2997; 3024; 3170; 3477; 3821; 3988; 4245; 4540; 4828; 5148; 5606; 6403; 6660; 6706; 6796
AlwI	GGATCNNNN!	8	2975; 4910; 5221; 5467; 5859; 6218; 6316; 6402
AlwI	!NNNNNGATCC	8	580; 2508; 2962; 3518; 5286; 5830; 6217; 6314
Alw21I	GWGCW!C	5	2591; 3067; 5155; 5345; 6650
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	11	889; 991; 1148; 1522; 3415; 3505; 3604; 4466; 4884; 5903; 6031
Alw44I	G!TGCAC	2	3063; 6646
AlwNI	CAGNNN!CTG	2	6143; 6551
Ama87I	C!YCGRG	3	1317; 2707; 2936
Aor13HI	T!CCGGA	1	2474
Aor51HI	AGC!GCT	0	
ApaI	GGGCC!C	1	2708
ApaBI	GCANNNNN!TGC	5	683; 1133; 4610; 4682; 6144
ApaLI	G!TGCAC	2	3063; 6646
ApeKI	G!CWGC	25	664; 673; 676; 717; 1722; 2523; 2719; 2784; 2946; 3182; 3326; 3624; 3818; 4337; 5002; 5103; 5145; 5186; 5279; 5666; 6119; 6345; 6551; 6554; 6619
ApoI	R!AATY	4	2146; 3856; 3960; 3971
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	2	1658; 5557
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	4	867; 5351; 6004; 6842
AquI	GCCGNACNNNNNNNNNNNNNNNNNN!	1	5441
AquI	!NNNNNNNNNNNNNNNNNGTNCGGC	2	2903; 3158
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	3	2567; 2966; 4870
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	1	603
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	3	775; 1347; 5612
ArsI	GACNNNNNTTYGNNNNNNNNNN!	0	
ArsI	!NNNNNCCRAANNNNNGTC	0	
ArsI	CRAANNNNNGTCNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	27	586; 813; 1275; 2100; 2442; 2514; 2727; 2968; 3498; 3524; 3700; 4880; 4884; 4903; 5214; 5292; 5373; 5382; 5460; 5836; 5852; 6211; 6223; 6301; 6309; 6320; 6395
AsiGI	A!CCGGT	1	2973
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	5160
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	4864; 5879
AspEI	GACNN!NNGTC	0	
AspLEI	GCG!C	31	640; 734; 1290; 2491; 2493; 2603; 2634; 2661; 2688; 3457; 3664; 4308; 4316; 4342; 4364; 4373; 4386; 4417; 5036; 5044; 5108; 5145; 5411; 5671; 5847; 5933; 6336; 6445; 6619; 6719; 6786

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AspS9I	G!GNCC	32	83; 276; 648; 927; 1103; 1248; 1302; 1452; 1791; 1835; 1848; 2091; 2250; 2484; 2612; 2627; 2705; 2751; 2767; 2893; 2931; 3133; 3376; 3468; 3489; 3573; 4149; 5558; 6003; 6049; 6107; 6140
AssI	AGT!ACT	0	
AsuII	TT!CGAA	1	5724
AsuC2I	CC!SGG	14	883; 931; 1309; 2032; 2236; 2643; 2709; 2938; 3209; 3557; 5046; 5206; 5819; 6583
AsuHPI	GGTGANNNNNNNN!	8	376; 997; 2745; 3000; 3369; 3679; 6113; 6229
AsuHPI	!NNNNNNNTCACC	10	1005; 1368; 1512; 2346; 2421; 2436; 2523; 3258; 4159; 5220
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	3	1317; 2707; 2936
AvaII	G!GWCC	14	927; 1103; 1248; 1452; 1791; 1835; 2091; 2250; 2751; 2893; 2931; 3573; 5558; 6003
AviII	TGC!GCA	2	2660; 5144
AvrII	C!CTAGG	2	4864; 5879
AxyI	CC!TNAGG	3	3242; 4522; 6154
BaeI	ACNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNNGT	0	
BaeI	GRTACNNNGTNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNNGTAYC	0	
BaeGI	GKGC!C	12	1324; 1426; 2305; 2697; 2708; 2845; 3040; 3067; 3100; 4988; 5081; 6650
BalI	TGG!CCA	4	1786; 2084; 3643; 5124
BamHI	G!GATCC	1	2967
BanI	G!GYRCC	11	465; 637; 731; 1423; 2302; 2842; 3037; 3097; 4195; 5041; 5076
BanII	GRGCY!C	10	1438; 1466; 1654; 1674; 1709; 2708; 2809; 4233; 5407; 6117
BanIII	AT!CGAT	2	1208; 4882
BarI	GAAGNNNNNTACNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	0	
BasI	CCANNN!NTGG	2	2403; 3582
BauI	C!ACGAG	4	2518; 3628; 5760; 6787
BauI	C!TCGTG	2	3478; 5634
BbeI	GGCGC!C	3	641; 735; 5045
Bbr7I	GAAGACNNNNNN!	2	1420; 3289
Bbr7I	!NNNNNNNNNNNGTCTTC	1	865
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	2	1415; 3284
BbsI	!NNNNNNGTCTTC	1	870
BbuI	GCATG!C	3	4612; 4684; 5447
BbvI	GCAGCNNNNNNNN!	12	676; 1734; 2535; 2731; 3194; 3636; 3830; 5115; 5157; 5678; 6131; 6631
BbvI	!NNNNNNNNNNNGCTGC	10	704; 2771; 2933; 3313; 4324; 4989; 5173; 5266; 6332; 6538
Bbv12I	GWGCW!C	5	2591; 3067; 5155; 5345; 6650
BbvCI	CC!TCAGC	1	2830
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	11	806; 1024; 1213; 1639; 1834; 2419; 2440; 4172; 4736; 5262; 5764
BccI	!NNNNNGATGG	6	2553; 2709; 3664; 4140; 4920; 5348
BceAI	ACGGCNNNNNNNNNN!	12	1340; 2216; 2511; 2775; 2811; 2940; 3195; 3339; 3390; 3456; 5468; 5955
BceAI	!NNNNNNNNNNNGCCGT	4	2308; 4183; 5001; 6460
Bcefl	ACGGCNNNNNNNNNN!	12	1340; 2216; 2511; 2775; 2811; 2940; 3195; 3339; 3390; 3456; 5468; 5955
Bcefl	!NNNNNNNNNNNGCCGT	4	2309; 4184; 5002; 6461
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNGCANNNNNTCG	0	
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	4471; 5261; 6762
BciVI	!NNNNNGGATAC	1	1813
BclI	T!GATCA	1	2441
BcnI	CC!SGG	14	883; 931; 1309; 2032; 2236; 2643; 2709; 2938; 3209; 3557; 5046; 5206; 5819; 6583

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BcuI	A!CTAGT	0	
BdaI	TGANNNNNNNTCANNNNNNNNNNNN!	1	6895
BdaI	!NNNNNNNNNNNTGANNNNNNNTCA	1	6861
BfaI	C!TAG	9	592; 1805; 3697; 3891; 4309; 4865; 5880; 6214; 6467
BfiI	ACTGGGNNNNN!	2	2898; 4991
BfiI	!NNNNCCCAGT	2	289; 4743
BfmI	C!TRYAG	4	2095; 4377; 6504; 6695
BfoI	RGCGC!Y	7	641; 735; 3665; 4309; 4317; 5045; 6720
BfrI	C!TTAAG	1	3924
BfuI	GTATCCNNNNNN!	3	4471; 5261; 6762
BfuI	!NNNNNGGATAC	1	1813
BfuAI	ACCTGCNNNN!	3	857; 5310; 5760
BfuAI	!NNNNNNNNNGCAGGT	3	670; 2652; 4929
BfuCI	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
BglI	GCCNNNN!NGGC	7	90; 212; 283; 2625; 2679; 3452; 4817
BglII	A!GATCT	1	2099
BisI	GC!NGC	53	596; 665; 674; 677; 718; 1723; 1802; 2375; 2464; 2467; 2470; 2524; 2550; 2553; 2604; 2607; 2626; 2720; 2785; 2947; 3132; 3183; 3327; 3444; 3625; 3689; 3819; 4338; 4360; 4374; 4812; 4951; 5003; 5014; 5104; 5109; 5146; 5187; 5274; 5280; 5516; 5612; 5653; 5667; 5781; 6120; 6135; 6346; 6552; 6555; 6620; 6763; 6918
BlnI	C!CTAGG	2	4864; 5879
BlpI	GC!TNAGC	1	2915
BlsI	GCN!GC	53	597; 666; 675; 678; 719; 1724; 1803; 2376; 2465; 2468; 2471; 2525; 2551; 2554; 2605; 2608; 2627; 2721; 2786; 2948; 3133; 3184; 3328; 3445; 3626; 3690; 3820; 4339; 4361; 4375; 4813; 4952; 5004; 5015; 5105; 5110; 5147; 5188; 5275; 5281; 5517; 5613; 5654; 5668; 5782; 6121; 6136; 6347; 6553; 6556; 6621; 6764; 6919
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	14	927; 1103; 1248; 1452; 1791; 1835; 2091; 2250; 2751; 2893; 2931; 3573; 5558; 6003
Bme1390I	CC!NGG	41	90; 283; 646; 883; 931; 994; 1266; 1300; 1309; 1510; 1675; 1920; 2032; 2236; 2380; 2398; 2643; 2690; 2709; 2839; 2898; 2938; 3160; 3209; 3304; 3319; 3448; 3557; 4578; 4633; 4650; 5046; 5206; 5429; 5819; 6008; 6111; 6583; 6801; 6814; 6935
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	3	1317; 2707; 2936
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	3	906; 1032; 2865
BmgT120I	GG!NCC	32	84; 277; 649; 928; 1104; 1249; 1303; 1453; 1792; 1836; 1849; 2092; 2251; 2485; 2613; 2628; 2706; 2752; 2768; 2894; 2932; 3134; 3377; 3469; 3490; 3574; 4150; 5559; 6004; 6050; 6108; 6141
BmiI	GGN!NCC	36	467; 639; 733; 757; 1104; 1425; 1454; 1793; 1965; 2304; 2473; 2613; 2706; 2769; 2808; 2844; 2894; 2895; 2933; 2969; 3039; 3099; 3490; 4197; 4218; 4230; 4421; 4582; 4654; 5043; 5078; 5926; 6005; 6050; 6893; 6932
BmrI	ACTGGGNNNNN!	2	2898; 4991
BmrI	!NNNNCCCAGT	2	289; 4743
BmrFI	CC!NGG	41	90; 283; 646; 883; 931; 994; 1266; 1300; 1309; 1510; 1675; 1920; 2032; 2236; 2380; 2398; 2643; 2690; 2709; 2839; 2898; 2938; 3160; 3209; 3304; 3319; 3448; 3557; 4578; 4633; 4650; 5046; 5206; 5429; 5819; 6008; 6111; 6583; 6801; 6814; 6935
BmsI	GCATCNNNNN!	12	1068; 1499; 1562; 2402; 2432; 3221; 3858; 4621; 4693; 5341; 5405; 5680
BmsI	!NNNNNNNNNGATGC	15	357; 608; 752; 879; 1122; 1284; 1788; 2276; 2897; 3374; 3542; 5000; 5255; 5471; 6863
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	2898; 4991
BmuI	!NNNNCCCAGT	2	289; 4743
BoxI	GACNN!NNGTC	2	1108; 3616
BpiI	GAAGACNN!	2	1415; 3284
BpiI	!NNNNNNGTCTTC	1	870
BplI	GAGNNNNNCTCNNNNNNNNNNNN!	3	957; 4831; 5730

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BpI	!NNNNNNNGAGNNNNNCTC	3	925; 4799; 5698
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	2	1015; 5882
BpmI	!NNNNNNNNNNNNNNNCTCCAG	2	3301; 5825
Bpu10I	CC!TNAGC	1	2830
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	1	5724
Bpu1102I	GC!TNAGC	1	2915
BpuAI	GAAGACNN!	2	1415; 3284
BpuAI	!NNNNNNGTCTTC	1	870
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	3	3529; 6336; 6875
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	3	3532; 5418; 6577
BpuMI	CC!SGG	14	883; 931; 1309; 2032; 2236; 2643; 2709; 2938; 3209; 3557; 5046; 5206; 5819; 6583
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	4	1148; 3505; 3604; 6031
Bsa29I	AT!CGAT	2	1208; 4882
BsaAI	YAC!GTR	3	340; 4158; 5346
BsaBI	GATNN!NNATC	2	3704; 4901
BsaHI	GR!CGYC	11	122; 175; 258; 444; 638; 732; 2639; 3560; 5042; 5744; 5823
BsaJI	C!CNNGG	41	360; 645; 1298; 1299; 1308; 1658; 1673; 1787; 1918; 2030; 2079; 2246; 2264; 2318; 2378; 2604; 2623; 2677; 2689; 2708; 2838; 2896; 2935; 2936; 2984; 3071; 3302; 4576; 4648; 4771; 4806; 4815; 4864; 5205; 5474; 5879; 6006; 6007; 6109; 6110; 6800
BsaMI	GAATGCN!	2	843; 3793
BsaMI	G!CATTC	1	3886
BsaWI	W!CCGGW	7	1472; 2474; 2973; 5073; 5917; 6607; 6754
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	2	2821; 4122
BsaXI	!NNNNNNNGGAGNNNNNNGT	2	851; 2935
BsaXI	GGAGNNNNNNGTNNNNNNNNNN!	2	881; 2965
BsaXI	!NNNNNNNNNACNNNNNCTCC	2	2791; 4092
BsbI	CAACACNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNGTGTTG	2	4043; 5950
Bsc4I	CCNNNNN!NNGG	38	49; 608; 728; 920; 1149; 1311; 1472; 1548; 1659; 1746; 1771; 1800; 1832; 1935; 2265; 2403; 2481; 2610; 2940; 3094; 3373; 3439; 3582; 4054; 4380; 4772; 5023; 5567; 5848; 5880; 6012; 6047; 6097; 6129; 6482; 6761; 6927; 6945
BscAI	GCATCNNNN!	12	1067; 1498; 1561; 2401; 2431; 3220; 3857; 4620; 4692; 5340; 5404; 5679
BscAI	!NNNNNNGATGC	15	360; 611; 755; 882; 1125; 1287; 1791; 2279; 2900; 3377; 3545; 5003; 5258; 5474; 6866
Bse1I	ACTGGN!	11	987; 1048; 1904; 1955; 1965; 2893; 3587; 3660; 4986; 5187; 6433
Bse1I	C!CAGT	7	295; 1838; 1851; 4071; 4749; 6545; 6558
Bse8I	GATNN!NNATC	2	3704; 4901
Bse21I	CC!TNAGG	3	3242; 4522; 6154
Bse118I	R!CCGGY	6	728; 2973; 4259; 5361; 5542; 5825
BseAI	T!CCGGA	1	2474
BseBI	CC!WGG	27	90; 283; 646; 994; 1266; 1300; 1510; 1675; 1920; 2380; 2398; 2690; 2839; 2898; 3160; 3304; 3319; 3448; 4578; 4633; 4650; 5429; 6008; 6111; 6801; 6814; 6935
BseCI	AT!CGAT	2	1208; 4882
BseDI	C!CNNGG	41	360; 645; 1298; 1299; 1308; 1658; 1673; 1787; 1918; 2030; 2079; 2246; 2264; 2318; 2378; 2604; 2623; 2677; 2689; 2708; 2838; 2896; 2935; 2936; 2984; 3071; 3302; 4576; 4648; 4771; 4806; 4815; 4864; 5205; 5474; 5879; 6006; 6007; 6109; 6110; 6800
Bse3DI	GCAATGNN!	1	5275
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	8	1137; 1481; 2019; 2291; 4902; 5359; 5384; 5838
BseGI	!CATCC	9	1589; 1826; 2393; 2423; 2851; 3067; 3155; 3212; 4728
BseJI	GATNN!NNATC	2	3704; 4901
BseLI	CCNNNNN!NNGG	38	49; 608; 728; 920; 1149; 1311; 1472; 1548; 1659; 1746; 1771; 1800; 1832; 1935; 2265; 2403; 2481; 2610; 2940; 3094; 3373; 3439; 3582; 4054; 4380; 4772; 5023; 5567; 5848; 5880; 6012; 6047; 6097; 6129; 6482; 6761; 6927; 6945

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BseMI	GCAATGNN!	1	5275
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	5	956; 1121; 2288; 2844; 6168
BseMII	!NNNNNNNNCTGAG	9	1076; 2153; 2906; 3233; 4513; 4815; 5696; 6268; 6677
BseNI	ACTGGN!	11	987; 1048; 1904; 1955; 1965; 2893; 3587; 3660; 4986; 5187; 6433
BseNI	C!CAGT	7	295; 1838; 1851; 4071; 4749; 6545; 6558
BsePI	G!CGCGC	1	2489
BseRI	GAGGAGNNNNNNNNNN!	3	2557; 2956; 4860
BseRI	!NNNNNNNNCTCCTC	1	613
BseSI	GKGC!C	12	1324; 1426; 2305; 2697; 2708; 2845; 3040; 3067; 3100; 4988; 5081; 6650
BseXI	GCAGCNNNNNNNN!	12	676; 1734; 2535; 2731; 3194; 3636; 3830; 5115; 5157; 5678; 6131; 6631
BseXI	!NNNNNNNNNNNGCTGC	10	704; 2771; 2933; 3313; 4324; 4989; 5173; 5266; 6332; 6538
BseX3I	C!GGCCG	2	3686; 4948
BseYI	C!CCAGC	4	3366; 4585; 4657; 6656
BseYI	G!CTGGG	2	3404; 5546
BsgI	GTGCAGNNNNNNNNNNNNNN!	1	2686
BsgI	!NNNNNNNNNNNNNNCTGCAC	1	2770
Bsh1236I	CG!CG	23	60; 1290; 1660; 2489; 2491; 2606; 2625; 2632; 2686; 3691; 3966; 4342; 4362; 4386; 4417; 5108; 5409; 5847; 5931; 5994; 6063; 6336; 6917
Bsh1285I	CGRY!CG	4	2978; 3689; 4951; 6626
BshFI	GG!CC	47	84; 277; 650; 1047; 1264; 1304; 1327; 1618; 1786; 1850; 1942; 2084; 2203; 2323; 2374; 2485; 2614; 2628; 2646; 2706; 2768; 3134; 3377; 3412; 3446; 3469; 3491; 3601; 3643; 3688; 4008; 4150; 4805; 4811; 4820; 4863; 4950; 5124; 5515; 5542; 6051; 6108; 6141; 6486; 6920; 6938; 6949
BshNI	G!GYRCC	11	465; 637; 731; 1423; 2302; 2842; 3037; 3097; 4195; 5041; 5076
BshTI	A!CCGGT	1	2973
BshVI	AT!CGAT	2	1208; 4882
BsiEI	CGRY!CG	4	2978; 3689; 4951; 6626
BsiHKAI	GWGCW!C	5	2591; 3067; 5155; 5345; 6650
BsiHKCI	C!YCGRG	3	1317; 2707; 2936
BsiSI	C!CGG	31	729; 882; 930; 1308; 1473; 2032; 2235; 2475; 2509; 2643; 2708; 2937; 2974; 3208; 3557; 4260; 4947; 5024; 5046; 5074; 5205; 5295; 5362; 5543; 5818; 5826; 5918; 6392; 6582; 6608; 6755
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	38	49; 608; 728; 920; 1149; 1311; 1472; 1548; 1659; 1746; 1771; 1800; 1832; 1935; 2265; 2403; 2481; 2610; 2940; 3094; 3373; 3439; 3582; 4054; 4380; 4772; 5023; 5567; 5848; 5880; 6012; 6047; 6097; 6129; 6482; 6761; 6927; 6945
BsIFI	GGGACNNNNNNNNNN!	11	175; 326; 494; 715; 1116; 1327; 1891; 2906; 5193; 5725; 5834
BsIFI	!NNNNNNNNNNNNNGTCCC	5	2811; 4558; 4630; 4694; 5989
BsmI	GAATGCN!	2	843; 3793
BsmI	G!CATTC	1	3886
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	11	889; 991; 1148; 1522; 3415; 3505; 3604; 4466; 4884; 5903; 6031
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	2	896; 3415
BsmFI	GGGACNNNNNNNNNN!	11	175; 326; 494; 715; 1116; 1327; 1891; 2906; 5193; 5725; 5834
BsmFI	!NNNNNNNNNNNNNGTCCC	5	2811; 4558; 4630; 4694; 5989
BsnI	GG!CC	47	84; 277; 650; 1047; 1264; 1304; 1327; 1618; 1786; 1850; 1942; 2084; 2203; 2323; 2374; 2485; 2614; 2628; 2646; 2706; 2768; 3134; 3377; 3412; 3446; 3469; 3491; 3601; 3643; 3688; 4008; 4150; 4805; 4811; 4820; 4863; 4950; 5124; 5515; 5542; 6051; 6108; 6141; 6486; 6920; 6938; 6949
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGAC	4	1148; 3505; 3604; 6031
BsoBI	C!YCGRG	3	1317; 2707; 2936
Bsp13I	T!CCGGA	1	2474
Bsp19I	C!CATGG	6	360; 1787; 2079; 2984; 4771; 5474
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 5845
Bsp24I	!NNNNNNCCANNNNNGTC	2	6266; 6444

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Bsp24I	CCANNNNNNGTCNNNNNNNNNNNN!	2	6298; 6476
Bsp24I	!NNNNNNNGACNNNNNNNTGG	2	257; 5813
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	1	5724
Bsp120I	G!GGCCC	1	2704
Bsp143I	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
Bsp1286I	GDGCH!C	24	1324; 1426; 1438; 1466; 1654; 1674; 1709; 2305; 2591; 2697; 2708; 2809; 2845; 3040; 3067; 3100; 4233; 4988; 5081; 5155; 5345; 5407; 6117; 6650
Bsp1407I	T!GTACA	1	3026
Bsp1720I	GC!TNAGC	1	2915
BspACI	C!CGC	45	58; 86; 98; 112; 279; 507; 589; 596; 1538; 1658; 1830; 2105; 2375; 2487; 2604; 2623; 2630; 3296; 3434; 3536; 3689; 4357; 4360; 4374; 4464; 4712; 4724; 4733; 4745; 4755; 4766; 4812; 4951; 5014; 5516; 5561; 5627; 5653; 5778; 5781; 5929; 6061; 6368; 6512; 7008
BspACI	G!CGG	39	370; 403; 528; 1497; 1660; 1801; 2463; 2466; 2469; 2549; 2552; 2606; 2609; 2625; 2749; 3131; 3443; 3485; 3685; 4302; 4329; 4417; 4527; 5108; 5172; 5273; 5276; 5556; 5611; 5709; 5847; 5994; 6134; 6377; 6622; 6743; 6762; 6889; 6917
BspCNI	CTCAGNNNNNNNN!	5	955; 1120; 2287; 2843; 6167
BspCNI	!NNNNNNNCTGAG	9	1077; 2154; 2907; 3234; 4514; 4816; 5697; 6269; 6678
BspDI	AT!CGAT	2	1208; 4882
BspD6I	GACTCNNNN!	9	418; 1007; 1323; 2856; 2865; 3701; 4115; 5721; 6598
BspD6I	!NNNNNNGAGTC	8	821; 1080; 1855; 2805; 2817; 3256; 4078; 4510
BspEI	T!CCGGA	1	2474
BspFNI	CG!CG	23	60; 1290; 1660; 2489; 2491; 2606; 2625; 2632; 2686; 3691; 3966; 4342; 4362; 4386; 4417; 5108; 5409; 5847; 5931; 5994; 6063; 6336; 6917
BspHI	T!CATGA	4	614; 1026; 4468; 6240
BspLI	GGN!NCC	36	467; 639; 733; 757; 1104; 1425; 1454; 1793; 1965; 2304; 2473; 2613; 2706; 2769; 2808; 2844; 2894; 2895; 2933; 2969; 3039; 3099; 3490; 4197; 4218; 4230; 4421; 4582; 4654; 5043; 5078; 5926; 6005; 6050; 6893; 6932
BspMI	ACCTGCNNNN!	3	857; 5310; 5760
BspMI	!NNNNNNNGCAGGT	3	670; 2652; 4929
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	8	2975; 4910; 5221; 5467; 5859; 6218; 6316; 6402
BspPI	!NNNNNGATCC	8	580; 2508; 2962; 3518; 5286; 5830; 6217; 6314
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	2	5386; 5596
BspTI	C!TTAAG	1	3924
BspT104I	TT!CGAA	1	5724
BspT107I	G!GYRCC	11	465; 637; 731; 1423; 2302; 2842; 3037; 3097; 4195; 5041; 5076
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	4	1148; 3505; 3604; 6031
BsrI	ACTGGN!	11	987; 1048; 1904; 1955; 1965; 2893; 3587; 3660; 4986; 5187; 6433
BsrI	C!CAGT	7	295; 1838; 1851; 4071; 4749; 6545; 6558
BsrBI	CCG!CTC	2	4466; 5655
BsrBI	GAG!CGG	3	3685; 4302; 5709
BsrDI	GCAATGNN!	1	5275
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	6	728; 2973; 4259; 5361; 5542; 5825
BsrGI	T!GTACA	1	3026
BsrSI	ACTGGN!	11	987; 1048; 1904; 1955; 1965; 2893; 3587; 3660; 4986; 5187; 6433
BsrSI	C!CAGT	7	295; 1838; 1851; 4071; 4749; 6545; 6558
BssAI	R!CCGGY	6	728; 2973; 4259; 5361; 5542; 5825
BssECI	C!CNNGG	41	360; 645; 1298; 1299; 1308; 1658; 1673; 1787; 1918; 2030; 2079; 2246; 2264; 2318; 2378; 2604; 2623; 2677; 2689; 2708; 2838; 2896; 2935; 2936; 2984; 3071; 3302; 4576; 4648; 4771; 4806; 4815; 4864; 5205; 5474; 5879; 6006; 6007; 6109; 6110; 6800
BssHII	G!CGCGC	1	2489

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BssKI	!CCNGG	41	88; 281; 644; 881; 929; 992; 1264; 1298; 1307; 1508; 1673; 1918; 2030; 2234; 2378; 2396; 2641; 2688; 2707; 2837; 2896; 2936; 3158; 3207; 3302; 3317; 3446; 3555; 4576; 4631; 4648; 5044; 5204; 5427; 5817; 6006; 6109; 6581; 6799; 6812; 6933
BssMI	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
BssNI	GR!CGYC	11	122; 175; 258; 444; 638; 732; 2639; 3560; 5042; 5744; 5823
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	4	2518; 3628; 5760; 6787
BssSI	C!TCGTG	2	3478; 5634
BssTII	C!CWWGG	9	360; 1787; 2079; 2246; 2984; 4771; 4864; 5474; 5879
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	4	770; 4509; 5386; 5596
Bst98I	C!TTAAG	1	3924
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	11	122; 175; 258; 444; 638; 732; 2639; 3560; 5042; 5744; 5823
BstAFI	C!TTAAG	1	3924
BstAPI	GCANNNN!NTGC	5	682; 1132; 4609; 4681; 6143
BstAUI	T!GTACA	1	3026
BstBI	TT!CGAA	1	5724
Bst2BI	C!ACGAG	4	2518; 3628; 5760; 6787
Bst2BI	C!TCGTG	2	3478; 5634
BstBAI	YAC!GTR	3	340; 4158; 5346
Bst4CI	ACN!GT	21	76; 198; 269; 543; 581; 1149; 1332; 1779; 1935; 2214; 2319; 2439; 3042; 4133; 5422; 5538; 5646; 5969; 6460; 6930; 7001
BstC8I	GCN!NGC	45	86; 279; 593; 642; 652; 656; 715; 1262; 1784; 2086; 2311; 2487; 2491; 2506; 2630; 2684; 2912; 2995; 3085; 3289; 4261; 4304; 4318; 4591; 4610; 4663; 4682; 4936; 5122; 5341; 5407; 5413; 5441; 5445; 5486; 5490; 5544; 5827; 6014; 6061; 6117; 6139; 6350; 6910; 6947
BstDEI	C!TNAG	14	942; 1085; 1107; 2162; 2274; 2830; 2915; 3242; 4522; 4824; 5705; 6154; 6277; 6686
BstDSI	C!CRYGG	11	360; 1658; 1787; 2079; 2264; 2318; 2604; 2623; 2984; 4771; 5474
BstEII	G!GTNACC	1	2529
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	8	1137; 1481; 2019; 2291; 4902; 5359; 5384; 5838
BstF5I	!CATCC	9	1589; 1826; 2393; 2423; 2851; 3067; 3155; 3212; 4728
BstFNI	CG!CG	23	60; 1290; 1660; 2489; 2491; 2606; 2625; 2632; 2686; 3691; 3966; 4342; 4362; 4386; 4417; 5108; 5409; 5847; 5931; 5994; 6063; 6336; 6917
BstH2I	RGCGC!Y	7	641; 735; 3665; 4309; 4317; 5045; 6720
BstHHI	GCG!C	31	640; 734; 1290; 2491; 2493; 2603; 2634; 2661; 2688; 3457; 3664; 4308; 4316; 4342; 4364; 4373; 4386; 4417; 5036; 5044; 5108; 5145; 5411; 5671; 5847; 5933; 6336; 6445; 6619; 6719; 6786
BstKTI	GAT!C	27	588; 815; 1277; 2102; 2444; 2516; 2729; 2970; 3500; 3526; 3702; 4882; 4886; 4905; 5216; 5294; 5375; 5384; 5462; 5838; 5854; 6213; 6225; 6303; 6311; 6322; 6397
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	11	889; 991; 1148; 1522; 3415; 3505; 3604; 4466; 4884; 5903; 6031
BstMBI	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
BstMCI	CGRY!CG	4	2978; 3689; 4951; 6626
BstMWI	GCNNNNN!NNGC	47	90; 212; 244; 283; 376; 400; 618; 664; 673; 682; 830; 1132; 1294; 1569; 2052; 2094; 2407; 2469; 2495; 2625; 2638; 2679; 2692; 2804; 2840; 2916; 3021; 3452; 4269; 4299; 4326; 4368; 4609; 4681; 4732; 4811; 5033; 5117; 5140; 5279; 5402; 5485; 5752; 5939; 6143; 6342; 6914
BstNI	CC!WGG	27	90; 283; 646; 994; 1266; 1300; 1510; 1675; 1920; 2380; 2398; 2690; 2839; 2898; 3160; 3304; 3319; 3448; 4578; 4633; 4650; 5429; 6008; 6111; 6801; 6814; 6935
BstNSI	RCATG!Y	6	3015; 3461; 4612; 4684; 5447; 6964



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstOI	CC!WGG	27	90; 283; 646; 994; 1266; 1300; 1510; 1675; 1920; 2380; 2398; 2690; 2839; 2898; 3160; 3304; 3319; 3448; 4578; 4633; 4650; 5429; 6008; 6111; 6801; 6814; 6935
BstPI	G!GTNACC	1	2529
BstPAI	GACNN!NNGTC	2	1108; 3616
BstSCI	!CCNGG	41	88; 281; 644; 881; 929; 992; 1264; 1298; 1307; 1508; 1673; 1918; 2030; 2234; 2378; 2396; 2641; 2688; 2707; 2837; 2896; 2936; 3158; 3207; 3302; 3317; 3446; 3555; 4576; 4631; 4648; 5044; 5204; 5427; 5817; 6006; 6109; 6581; 6799; 6812; 6933
BstSFI	C!TRYAG	4	2095; 4377; 6504; 6695
BstSLI	GKGCM!C	12	1324; 1426; 2305; 2697; 2708; 2845; 3040; 3067; 3100; 4988; 5081; 6650
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	23	60; 1290; 1660; 2489; 2491; 2606; 2625; 2632; 2686; 3691; 3966; 4342; 4362; 4386; 4417; 5108; 5409; 5847; 5931; 5994; 6063; 6336; 6917
Bst2UI	CC!WGG	27	90; 283; 646; 994; 1266; 1300; 1510; 1675; 1920; 2380; 2398; 2690; 2839; 2898; 3160; 3304; 3319; 3448; 4578; 4633; 4650; 5429; 6008; 6111; 6801; 6814; 6935
BstVII	GCAGCNNNNNNN!	12	676; 1734; 2535; 2731; 3194; 3636; 3830; 5115; 5157; 5678; 6131; 6631
BstV1I	!NNNNNNNNNNNGCTGC	10	704; 2771; 2933; 3313; 4324; 4989; 5173; 5266; 6332; 6538
BstV2I	GAAGACNN!	2	1415; 3284
BstV2I	!NNNNNNGTCTTC	1	870
BstXI	CCANNNNN!NTGG	2	1335; 1950
BstX2I	R!GATCY	12	585; 2099; 2513; 2967; 3523; 5213; 5459; 5851; 6210; 6222; 6308; 6319
BstYI	R!GATCY	12	585; 2099; 2513; 2967; 3523; 5213; 5459; 5851; 6210; 6222; 6308; 6319
BstZI	C!GGCCG	2	3686; 4948
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	4471; 5261; 6762
BsuI	!NNNNNNGGATAC	1	1813
Bsu15I	AT!CGAT	2	1208; 4882
Bsu36I	CC!TNAGG	3	3242; 4522; 6154
BsuRI	GG!CC	47	84; 277; 650; 1047; 1264; 1304; 1327; 1618; 1786; 1850; 1942; 2084; 2203; 2323; 2374; 2485; 2614; 2628; 2646; 2706; 2768; 3134; 3377; 3412; 3446; 3469; 3491; 3601; 3643; 3688; 4008; 4150; 4805; 4811; 4820; 4863; 4950; 5124; 5515; 5542; 6051; 6108; 6141; 6486; 6920; 6938; 6949
BsuTUI	AT!CGAT	2	1208; 4882
BtgI	C!CRYGG	11	360; 1658; 1787; 2079; 2264; 2318; 2604; 2623; 2984; 4771; 5474
BtgZI	GCGATGNNNNNNNNN!	2	4159; 5494
BtgZI	!NNNNNNNNNNNNNNCATCGC	3	334; 5313; 5657
BthCI	GCNG!C	53	598; 667; 676; 679; 720; 1725; 1804; 2377; 2466; 2469; 2472; 2526; 2552; 2555; 2606; 2609; 2628; 2722; 2787; 2949; 3134; 3185; 3329; 3446; 3627; 3691; 3821; 4340; 4362; 4376; 4814; 4953; 5005; 5016; 5106; 5111; 5148; 5189; 5276; 5282; 5518; 5614; 5655; 5669; 5783; 6122; 6137; 6348; 6554; 6557; 6622; 6765; 6920
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	3	906; 1032; 2865
BtsI	GCAGTGNN!	4	665; 674; 1133; 2408
BtsI	!CACTGC	2	956; 3881
BtsCI	GGATGNN!	8	1137; 1481; 2019; 2291; 4902; 5359; 5384; 5838
BtsCI	!CATCC	9	1589; 1826; 2393; 2423; 2851; 3067; 3155; 3212; 4728
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	3	857; 5310; 5760
BveI	!NNNNNNNNGCAGGT	3	670; 2652; 4929
Cac8I	GCN!NGC	45	86; 279; 593; 642; 652; 656; 715; 1262; 1784; 2086; 2311; 2487; 2491; 2506; 2630; 2684; 2912; 2995; 3085; 3289; 4261; 4304; 4318; 4591; 4610; 4663; 4682; 4936; 5122; 5341; 5407; 5413; 5441; 5445; 5486; 5490; 5544; 5827; 6014; 6061; 6117; 6139; 6350; 6910; 6947
CaiI	CAGNNN!CTG	2	6143; 6551
CciI	T!CATGA	4	614; 1026; 4468; 6240
CciNI	GC!GGCCCG	1	3686

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CdiI	CATC!G	10	352; 635; 1063; 1209; 1611; 1635; 5331; 5336; 5534; 5675
CdiI	C!GATG	6	888; 2577; 3425; 3606; 4145; 5480
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	6914
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	4	486; 2084; 4703; 4745
CelII	GC!TNAGC	1	2915
CfoI	GCG!C	31	640; 734; 1290; 2491; 2493; 2603; 2634; 2661; 2688; 3457; 3664; 4308; 4316; 4342; 4364; 4373; 4386; 4417; 5036; 5044; 5108; 5145; 5411; 5671; 5847; 5933; 6336; 6445; 6619; 6719; 6786
CfrI	Y!GGCCR	12	1325; 1784; 2082; 2201; 2321; 2372; 3641; 3686; 4948; 5122; 5513; 5540
Cfr9I	C!CCGGG	2	2707; 2936
Cfr10I	R!CCGGY	6	728; 2973; 4259; 5361; 5542; 5825
Cfr13I	G!GNCC	32	83; 276; 648; 927; 1103; 1248; 1302; 1452; 1791; 1835; 1848; 2091; 2250; 2484; 2612; 2627; 2705; 2751; 2767; 2893; 2931; 3133; 3376; 3468; 3489; 3573; 4149; 5558; 6003; 6049; 6107; 6140
Cfr42I	CCGC!GG	3	1661; 2607; 2626
ChaI	GATC!	27	589; 816; 1278; 2103; 2445; 2517; 2730; 2971; 3501; 3527; 3703; 4883; 4887; 4906; 5217; 5295; 5376; 5385; 5463; 5839; 5855; 6214; 6226; 6304; 6312; 6323; 6398
CjeI	CCANNNNNNGTNNNNNNNNNNNNNNNN!	8	1405; 2082; 2153; 3079; 4859; 6299; 6399; 6477
CjeI	!NNNNNNNNNACNNNNNNNTGG	8	64; 257; 1027; 4526; 4621; 5813; 6363; 6918
CjeI	ACNNNNNNTGGNNNNNNNNNNNNNNNN!	8	98; 291; 1061; 4560; 4655; 5847; 6397; 6952
CjeI	!NNNNNNNNCCANNNNNNGT	8	1371; 2048; 2119; 3045; 4825; 6265; 6365; 6443
CjePI	CCANNNNNNNTCNNNNNNNNNNNNNNNN!	4	1041; 1590; 6299; 6477
CjePI	!NNNNNNNNGANNNNNNNNTGG	5	257; 736; 851; 5813; 6412
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNNNN!	5	290; 769; 884; 5846; 6445
CjePI	!NNNNNNNNCCANNNNNNNNTC	4	1008; 1557; 6266; 6444
ClaI	AT!CGAT	2	1208; 4882
CpoI	CG!GWCCG	1	5558
CseI	GACGCNNNNN!	5	526; 1522; 2647; 5752; 5831
CseI	!NNNNNNNNNNGCGTC	5	1064; 3549; 4375; 6270; 6848
CsiI	A!CCWGGT	1	4631
CspI	CG!GWCCG	1	5558
Csp6I	G!TAC	16	218; 243; 298; 331; 382; 539; 846; 948; 1173; 1389; 1485; 2922; 3027; 3177; 3429; 5347
Csp45I	TT!CGAA	1	5724
CspAI	A!CCGGT	1	2973
CspCI	CAANNNNNGTGGNNNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGGNNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNNN!	5	882; 3029; 3620; 4322; 5931
CstMI	!NNNNNNNNNNNNNNNNNNNNCTCCTT	1	982
CviAII	C!ATG	34	301; 361; 603; 615; 802; 1027; 1170; 1566; 1647; 1788; 2080; 2724; 2985; 3012; 3018; 3030; 3108; 3174; 3254; 3458; 3465; 4469; 4609; 4681; 4772; 4913; 5258; 5444; 5475; 5501; 5857; 6241; 6961; 7012
CviJI	RG!CY	148	42; 84; 93; 277; 566; 595; 612; 650; 713; 924; 1010; 1047; 1096; 1244; 1264; 1304; 1327; 1436; 1464; 1563; 1572; 1604; 1618; 1652; 1672; 1707; 1725; 1743; 1764; 1786; 1804; 1850; 1942; 2046; 2055; 2084; 2088; 2203; 2323; 2374; 2410; 2472; 2485; 2526; 2573; 2614; 2619; 2628; 2646; 2673; 2706; 2722; 2768; 2798; 2807; 2821; 2834; 2914; 2919; 2927; 2946; 2997; 3024; 3087; 3134; 3163; 3170; 3248; 3314; 3326; 3370; 3377; 3404; 3412; 3446; 3469; 3477; 3491; 3601; 3637; 3643; 3688; 3711; 3821; 3988; 4008; 4150; 4231; 4245; 4259; 4540; 4581; 4653; 4776; 4805; 4811; 4820; 4828; 4851; 4863; 4869; 4950; 4967; 4975; 5002; 5027; 5111; 5120; 5124; 5148; 5186; 5262; 5279; 5298; 5361; 5405; 5415; 5432; 5515; 5542; 5546; 5583; 5606; 5622; 5802; 5829; 5890; 6012; 6051; 6108; 6115; 6122; 6141; 6152; 6403; 6432; 6475; 6486; 6551; 6630; 6655; 6660; 6706; 6796; 6894; 6920; 6938; 6949

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CviKI-1	RG!CY	148	42; 84; 93; 277; 566; 595; 612; 650; 713; 924; 1010; 1047; 1096; 1244; 1264; 1304; 1327; 1436; 1464; 1563; 1572; 1604; 1618; 1652; 1672; 1707; 1725; 1743; 1764; 1786; 1804; 1850; 1942; 2046; 2055; 2084; 2088; 2203; 2323; 2374; 2410; 2472; 2485; 2526; 2573; 2614; 2619; 2628; 2646; 2673; 2706; 2722; 2768; 2798; 2807; 2821; 2834; 2914; 2919; 2927; 2946; 2997; 3024; 3087; 3134; 3163; 3170; 3248; 3314; 3326; 3370; 3377; 3404; 3412; 3446; 3469; 3477; 3491; 3601; 3637; 3643; 3688; 3711; 3821; 3988; 4008; 4150; 4231; 4245; 4259; 4540; 4581; 4653; 4776; 4805; 4811; 4820; 4828; 4851; 4863; 4869; 4950; 4967; 4975; 5002; 5027; 5111; 5120; 5124; 5148; 5186; 5262; 5279; 5298; 5361; 5405; 5415; 5432; 5515; 5542; 5546; 5583; 5606; 5622; 5802; 5829; 5890; 6012; 6051; 6108; 6115; 6122; 6141; 6152; 6403; 6432; 6475; 6486; 6551; 6630; 6655; 6660; 6706; 6796; 6894; 6920; 6938; 6949
CviQI	G!TAC	16	218; 243; 298; 331; 382; 539; 846; 948; 1173; 1389; 1485; 2922; 3027; 3177; 3429; 5347
DdeI	C!TNAG	14	942; 1085; 1107; 2162; 2274; 2830; 2915; 3242; 4522; 4824; 5705; 6154; 6277; 6686
DinI	GGC!GCC	3	639; 733; 5043
DpnI	GA!TC	27	587; 814; 1276; 2101; 2443; 2515; 2728; 2969; 3499; 3525; 3701; 4881; 4885; 4904; 5215; 5293; 5374; 5383; 5461; 5837; 5853; 6212; 6224; 6302; 6310; 6321; 6396
DpnII	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
DraI	TTT!AAA	3	3744; 6186; 6205
DraII	RG!GNCCY	6	1103; 1302; 1452; 2704; 2893; 6140
DraIII	CACNNN!GTG	2	3633; 4158
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNNNN!	8	266; 869; 1001; 1412; 1508; 2141; 3224; 6522
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCCTTG	0	
DrdI	GACNNN!NNGTC	4	1909; 4113; 5069; 6858
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNNNN!	3	2561; 2801; 2897
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	4	1909; 4113; 5069; 6858
EaeI	Y!GGCCR	12	1325; 1784; 2082; 2201; 2321; 2372; 3641; 3686; 4948; 5122; 5513; 5540
EagI	C!GGCCG	2	3686; 4948
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	770; 4509; 5386; 5596
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	770; 4509; 5386; 5596
EciI	GGCGGANNNNNNNNNNNN!	5	2764; 4542; 5571; 6758; 6904
EciI	!NNNNNNNNNTCCGCC	4	496; 4713; 4734; 4755
Ecl136II	GAG!CTC	0	
EclXI	C!GGCCG	2	3686; 4948
Eco24I	GRGCY!C	10	1438; 1466; 1654; 1674; 1709; 2708; 2809; 4233; 5407; 6117
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNGAGACC	4	1148; 3505; 3604; 6031
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	14	927; 1103; 1248; 1452; 1791; 1835; 2091; 2250; 2751; 2893; 2931; 3573; 5558; 6003
Eco47III	AGC!GCT	0	
Eco52I	C!GGCCG	2	3686; 4948
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	6	1204; 1427; 1765; 3493; 5188; 5620
Eco57I	!NNNNNNNNNNNNNNNNCTTCAG	1	6418
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	3	3242; 4522; 6154
Eco88I	C!YCGRG	3	1317; 2707; 2936
Eco91I	G!GTNACC	1	2529
Eco105I	TAC!GTA	1	340
Eco130I	C!CWGGG	9	360; 1787; 2079; 2246; 2984; 4771; 4864; 5474; 5879
Eco147I	AGG!CCT	2	3412; 4863
EcoHI	!CCSGG	14	881; 929; 1307; 2030; 2234; 2641; 2707; 2936; 3207; 3555; 5044; 5204; 5817; 6581
EcoICRI	GAG!CTC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	8	1015; 1204; 1427; 1765; 3493; 5188; 5620; 5882
Eco57MI	!NNNNNNNNNNNNNNNNCTYCAG	3	3301; 5825; 6418
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	1	2529
Eco0109I	RG!GNCCY	6	1103; 1302; 1452; 2704; 2893; 6140
EcoRI	G!AATTC	0	
EcoRII	!CCWGG	27	88; 281; 644; 992; 1264; 1298; 1508; 1673; 1918; 2378; 2396; 2688; 2837; 2896; 3158; 3302; 3317; 3446; 4576; 4631; 4648; 5427; 6006; 6109; 6799; 6812; 6933
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	9	360; 1787; 2079; 2246; 2984; 4771; 4864; 5474; 5879
EcoT22I	ATGCA!T	3	4614; 4686; 7017
EcoT38I	GRGCY!C	10	1438; 1466; 1654; 1674; 1709; 2708; 2809; 4233; 5407; 6117
Eco53kI	GAG!CTC	0	
EgeI	GGC!GCC	3	639; 733; 5043
EheI	GGC!GCC	3	639; 733; 5043
ErhI	C!CWWGG	9	360; 1787; 2079; 2246; 2984; 4771; 4864; 5474; 5879
EsaBC3I	TC!GA	19	888; 1209; 1614; 1635; 2730; 3126; 3153; 3621; 4192; 4883; 5156; 5312; 5336; 5372; 5534; 5725; 5770; 6025; 6863
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	2	896; 3415
FaeI	CATG!	34	304; 364; 606; 618; 805; 1030; 1173; 1569; 1650; 1791; 2083; 2727; 2988; 3015; 3021; 3033; 3111; 3177; 3257; 3461; 3468; 4472; 4612; 4684; 4775; 4916; 5261; 5447; 5478; 5504; 5860; 6244; 6964; 7015
FaiI	YA!TR	83	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 604; 616; 803; 866; 1028; 1171; 1271; 1567; 1583; 1648; 1789; 1811; 1925; 2081; 2122; 2222; 2243; 2371; 2657; 2725; 2818; 2986; 3013; 3019; 3031; 3109; 3175; 3255; 3273; 3459; 3466; 3519; 3704; 3714; 3780; 3825; 4030; 4458; 4470; 4601; 4610; 4673; 4682; 4706; 4773; 4797; 4914; 4978; 5259; 5284; 5445; 5476; 5502; 5574; 5790; 5858; 5936; 5988; 6149; 6166; 6168; 6170; 6242; 6520; 6709; 6825; 6898; 6962; 7013
FaiI	AAGNNNNNCTTNNNNNNNNNNNN!	3	2271; 3252; 5382
FaiI	!NNNNNNNNAAGNNNNNCTT	3	2239; 3220; 5350
FaqI	GGGACNNNNNNNNNN!	11	175; 326; 494; 715; 1116; 1327; 1891; 2906; 5193; 5725; 5834
FaqI	!NNNNNNNNNNNNNGTCCC	5	2811; 4558; 4630; 4694; 5989
FatI	!CATG	34	300; 360; 602; 614; 801; 1026; 1169; 1565; 1646; 1787; 2079; 2723; 2984; 3011; 3017; 3029; 3107; 3173; 3253; 3457; 3464; 4468; 4608; 4680; 4771; 4912; 5257; 5443; 5474; 5500; 5856; 6240; 6960; 7011
FauI	CCCGCNNNN!	14	93; 119; 286; 1545; 1665; 2494; 2630; 3441; 3543; 4364; 4719; 4740; 5936; 6068
FauI	!NNNNNNGCGGG	9	1490; 1653; 2602; 3478; 4295; 5165; 5702; 5840; 5987
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	1	2441
FblI	GT!MKAC	2	1913; 3563
FmuI	GGNC!C	32	86; 279; 651; 930; 1106; 1251; 1305; 1455; 1794; 1838; 1851; 2094; 2253; 2487; 2615; 2630; 2708; 2754; 2770; 2896; 2934; 3136; 3379; 3471; 3492; 3576; 4152; 5561; 6006; 6052; 6110; 6143
Fnu4HI	GC!NGC	53	596; 665; 674; 677; 718; 1723; 1802; 2375; 2464; 2467; 2470; 2524; 2550; 2553; 2604; 2607; 2626; 2720; 2785; 2947; 3132; 3183; 3327; 3444; 3625; 3689; 3819; 4338; 4360; 4374; 4812; 4951; 5003; 5014; 5104; 5109; 5146; 5187; 5274; 5280; 5516; 5612; 5653; 5667; 5781; 6120; 6135; 6346; 6552; 6555; 6620; 6763; 6918
FokI	GGATGNNNNNNNNNN!	8	1144; 1488; 2026; 2298; 4909; 5366; 5391; 5845
FokI	!NNNNNNNNNNNNNCATCC	9	1576; 1813; 2380; 2410; 2838; 3054; 3142; 3199; 4715
FriOI	GRGCY!C	10	1438; 1466; 1654; 1674; 1709; 2708; 2809; 4233; 5407; 6117
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	2	2660; 5144
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	9	592; 1805; 3697; 3891; 4309; 4865; 5880; 6214; 6467

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FspEI	CCNNNNNNNNNNNN!	245	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 609; 637; 654; 703; 720; 734; 748; 772; 801; 855; 895; 927; 943; 964; 1006; 1020; 1061; 1092; 1119; 1156; 1171; 1189; 1218; 1264; 1278; 1311; 1341; 1381; 1398; 1418; 1440; 1468; 1486; 1522; 1536; 1550; 1577; 1606; 1632; 1651; 1666; 1686; 1721; 1739; 1753; 1768; 1800; 1839; 1864; 1930; 1956; 1971; 1998; 2043; 2060; 2092; 2107; 2141; 2190; 2217; 2248; 2266; 2303; 2319; 2337; 2370; 2388; 2410; 2424; 2440; 2460; 2488; 2522; 2547; 2580; 2617; 2633; 2655; 2687; 2702; 2720; 2736; 2767; 2782; 2823; 2841; 2859; 2893; 2909; 2947; 2984; 3029; 3054; 3084; 3101; 3115; 3148; 3162; 3180; 3204; 3218; 3249; 3282; 3309; 3324; 3343; 3379; 3426; 3445; 3460; 3483; 3505; 3520; 3540; 3559; 3589; 3615; 3657; 3702; 3725; 3764; 3778; 3919; 4014; 4038; 4061; 4084; 4102; 4124; 4145; 4164; 4183; 4212; 4233; 4247; 4273; 4361; 4387; 4436; 4477; 4495; 4534; 4550; 4588; 4645; 4660; 4717; 4737; 4751; 4768; 4782; 4819; 4834; 4877; 4960; 5027; 5058; 5078; 5093; 5138; 5152; 5218; 5232; 5251; 5267; 5308; 5328; 5375; 5425; 5441; 5461; 5486; 5506; 5529; 5556; 5574; 5600; 5640; 5666; 5690; 5746; 5760; 5788; 5831; 5852; 5887; 5931; 6019; 6043; 6065; 6085; 6101; 6122; 6136; 6155; 6239; 6259; 6287; 6302; 6336; 6378; 6405; 6420; 6465; 6489; 6503; 6525; 6551; 6571; 6595; 6621; 6669; 6688; 6707; 6733; 6768; 6813; 6843; 6857; 6908; 6922; 6947; 6963; 6984; 7013
FspEI	!NNNNNNNNNNNNNNNGG	206	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 594; 619; 640; 665; 684; 714; 732; 791; 842; 867; 906; 955; 979; 1029; 1047; 1078; 1114; 1135; 1171; 1202; 1231; 1251; 1285; 1303; 1321; 1405; 1435; 1458; 1482; 1534; 1561; 1600; 1645; 1684; 1732; 1757; 1786; 1818; 1858; 1885; 1905; 1924; 1946; 1996; 2017; 2066; 2101; 2167; 2185; 2207; 2233; 2251; 2284; 2305; 2329; 2350; 2368; 2389; 2448; 2467; 2494; 2512; 2530; 2569; 2591; 2610; 2628; 2647; 2675; 2693; 2716; 2734; 2780; 2824; 2851; 2874; 2896; 2914; 2941; 2959; 2989; 3016; 3058; 3079; 3103; 3145; 3164; 3193; 3229; 3266; 3289; 3308; 3331; 3359; 3386; 3425; 3451; 3470; 3542; 3568; 3616; 3641; 3659; 3713; 3813; 3882; 3912; 3990; 4039; 4061; 4089; 4125; 4170; 4199; 4235; 4254; 4282; 4302; 4365; 4388; 4496; 4528; 4546; 4575; 4618; 4647; 4758; 4787; 4830; 4851; 4879; 4912; 4932; 4957; 4984; 5009; 5031; 5059; 5085; 5106; 5157; 5178; 5196; 5244; 5280; 5336; 5361; 5385; 5414; 5437; 5461; 5487; 5509; 5528; 5553; 5593; 5629; 5694; 5779; 5803; 5832; 5866; 5887; 5907; 5952; 5979; 5998; 6031; 6083; 6114; 6141; 6193; 6291; 6362; 6407; 6468; 6533; 6567; 6593; 6611; 6647; 6717; 6740; 6762; 6786; 6819; 6867; 6902; 6920; 6977
Fsp4HI	GC!NGC	53	596; 665; 674; 677; 718; 1723; 1802; 2375; 2464; 2467; 2470; 2524; 2550; 2553; 2604; 2607; 2626; 2720; 2785; 2947; 3132; 3183; 3327; 3444; 3625; 3689; 3819; 4338; 4360; 4374; 4812; 4951; 5003; 5014; 5104; 5109; 5146; 5187; 5274; 5280; 5516; 5612; 5653; 5667; 5781; 6120; 6135; 6346; 6552; 6555; 6620; 6763; 6918
GdiII	C!GGCCR	4	1325; 2201; 3686; 4948
GdiII	Y!GGCCG	6	2321; 2372; 3686; 4948; 5513; 5540
GlaI	GC!GC	31	639; 733; 1289; 2490; 2492; 2602; 2633; 2660; 2687; 3456; 3663; 4307; 4315; 4341; 4363; 4372; 4385; 4416; 5035; 5043; 5107; 5144; 5410; 5670; 5846; 5932; 6335; 6444; 6618; 6718; 6785
GluI	GC!NGC	53	596; 665; 674; 677; 718; 1723; 1802; 2375; 2464; 2467; 2470; 2524; 2550; 2553; 2604; 2607; 2626; 2720; 2785; 2947; 3132; 3183; 3327; 3444; 3625; 3689; 3819; 4338; 4360; 4374; 4812; 4951; 5003; 5014; 5104; 5109; 5146; 5187; 5274; 5280; 5516; 5612; 5653; 5667; 5781; 6120; 6135; 6346; 6552; 6555; 6620; 6763; 6918
GsaI	CCCAG!C	4	3370; 4589; 4661; 6660
GsaI	GCTGG!G	2	3408; 5550
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	2	1015; 5882
GsuI	!NNNNNNNNNNNNNNCTCCAG	2	3301; 5825
HaeI	WGG!CCW	13	1047; 1264; 1618; 1786; 1942; 2084; 3412; 3643; 4863; 5124; 6486; 6938; 6949
HaeII	RGCGC!Y	7	641; 735; 3665; 4309; 4317; 5045; 6720

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HaeIII	GG!CC	47	84; 277; 650; 1047; 1264; 1304; 1327; 1618; 1786; 1850; 1942; 2084; 2203; 2323; 2374; 2485; 2614; 2628; 2646; 2706; 2768; 3134; 3377; 3412; 3446; 3469; 3491; 3601; 3643; 3688; 4008; 4150; 4805; 4811; 4820; 4863; 4950; 5124; 5515; 5542; 6051; 6108; 6141; 6486; 6920; 6938; 6949
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	5	1244; 1844; 2310; 3717; 5238
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	5	1210; 1810; 2276; 3683; 5204
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	5	1243; 1843; 2309; 3716; 5237
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	5	1212; 1812; 2278; 3685; 5206
HapII	C!CGG	31	729; 882; 930; 1308; 1473; 2032; 2235; 2475; 2509; 2643; 2708; 2937; 2974; 3208; 3557; 4260; 4947; 5024; 5046; 5074; 5205; 5295; 5362; 5543; 5818; 5826; 5918; 6392; 6582; 6608; 6755
HgaI	GACGCNNNNN!	5	526; 1522; 2647; 5752; 5831
HgaI	!NNNNNNNNNNNGCGTC	5	1064; 3549; 4375; 6270; 6848
HhaI	GCG!C	31	640; 734; 1290; 2491; 2493; 2603; 2634; 2661; 2688; 3457; 3664; 4308; 4316; 4342; 4364; 4373; 4386; 4417; 5036; 5044; 5108; 5145; 5411; 5671; 5847; 5933; 6336; 6445; 6619; 6719; 6786
HinI	GR!CGYC	11	122; 175; 258; 444; 638; 732; 2639; 3560; 5042; 5744; 5823
Hin1II	CATG!	34	304; 364; 606; 618; 805; 1030; 1173; 1569; 1650; 1791; 2083; 2727; 2988; 3015; 3021; 3033; 3111; 3177; 3257; 3461; 3468; 4472; 4612; 4684; 4775; 4916; 5261; 5447; 5478; 5504; 5860; 6244; 6964; 7015
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	6	1179; 1243; 1843; 2309; 3716; 5237
Hin4I	!NNNNNNNNNGABNNNNNNRTC	7	1211; 1661; 1811; 2277; 3684; 5205; 5235
Hin4I	GABNNNNNRTCNNNNNNNNNNNNN!	7	1243; 1693; 1843; 2309; 3716; 5237; 5267
Hin4I	!NNNNNNNNNGAYNNNNNVTC	6	1147; 1211; 1811; 2277; 3684; 5205
Hin6I	G!CGC	31	638; 732; 1288; 2489; 2491; 2601; 2632; 2659; 2686; 3455; 3662; 4306; 4314; 4340; 4362; 4371; 4384; 4415; 5034; 5042; 5106; 5143; 5409; 5669; 5845; 5931; 6334; 6443; 6617; 6717; 6784
HinP1I	G!CGC	31	638; 732; 1288; 2489; 2491; 2601; 2632; 2659; 2686; 3455; 3662; 4306; 4314; 4340; 4362; 4371; 4384; 4415; 5034; 5042; 5106; 5143; 5409; 5669; 5845; 5931; 6334; 6443; 6617; 6717; 6784
HincII	GTY!RAC	1	3805
HindII	GTY!RAC	1	3805
HindIII	A!AGCTT	1	1242
HinFI	G!ANTC	26	410; 828; 999; 1087; 1315; 1862; 1954; 1981; 2812; 2824; 2848; 2857; 3113; 3263; 3590; 3693; 4085; 4107; 4517; 5527; 5661; 5713; 5771; 5808; 6590; 6986
HpaI	GTT!AAC	1	3805
HpaII	C!CGG	31	729; 882; 930; 1308; 1473; 2032; 2235; 2475; 2509; 2643; 2708; 2937; 2974; 3208; 3557; 4260; 4947; 5024; 5046; 5074; 5205; 5295; 5362; 5543; 5818; 5826; 5918; 6392; 6582; 6608; 6755
HphI	GGTGANNNNNNNN!	8	376; 997; 2745; 3000; 3369; 3679; 6113; 6229
HphI	!NNNNNNNTCACC	10	1005; 1368; 1512; 2346; 2421; 2436; 2523; 3258; 4159; 5220
Hpy8I	GTN!NAC	22	201; 539; 577; 972; 1035; 1055; 1391; 1701; 1914; 1998; 2253; 2354; 3045; 3065; 3360; 3564; 3573; 3805; 4089; 4106; 4161; 6648
Hpy99I	CGWCG!	15	1095; 1615; 2542; 2761; 2767; 3127; 3607; 3622; 5132; 5160; 5454; 5469; 5746; 6131; 6864
Hpy166II	GTN!NAC	22	201; 539; 577; 972; 1035; 1055; 1391; 1701; 1914; 1998; 2253; 2354; 3045; 3065; 3360; 3564; 3573; 3805; 4089; 4106; 4161; 6648
Hpy188I	TCN!GA	21	585; 945; 1642; 1769; 1861; 2277; 2811; 2856; 2862; 2931; 3072; 4216; 4825; 5009; 5353; 5706; 5807; 6286; 6420; 6773; 6851
Hpy188III	TC!NNGA	29	615; 1027; 1182; 1217; 1576; 2191; 2475; 2957; 3549; 3697; 4469; 4521; 4834; 4887; 5060; 5376; 5385; 5468; 5524; 5568; 5658; 5691; 5760; 6241; 6315; 6398; 6496; 6594; 6728
HpyAV	CCTCANNNNNN!	10	1013; 1380; 2367; 2657; 3153; 3201; 3246; 5687; 5794; 6473
HpyAV	!NNNNNGAAGG	12	1179; 1740; 2733; 3073; 3445; 4275; 5170; 5899; 5915; 6098; 6415; 6725
HpyCH4III	ACN!GT	21	76; 198; 269; 543; 581; 1149; 1332; 1779; 1935; 2214; 2319; 2439; 3042; 4133; 5422; 5538; 5646; 5969; 6460; 6930; 7001

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HpyCH4IV	A!CGT	22	122; 134; 175; 258; 339; 444; 905; 1031; 1221; 2135; 2864; 3341; 3569; 3617; 4102; 4114; 4157; 4267; 5158; 5345; 6126; 6259
HpyCH4V	TG!CA	31	606; 765; 892; 1135; 1347; 1992; 2097; 2330; 2336; 2423; 2667; 2787; 3065; 3387; 3503; 3791; 3818; 3886; 4603; 4612; 4675; 4684; 4799; 4875; 4934; 5093; 5268; 5282; 6352; 6648; 7015
HpyF3I	C!TNAG	14	942; 1085; 1107; 2162; 2274; 2830; 2915; 3242; 4522; 4824; 5705; 6154; 6277; 6686
HpyF10VI	GCNNNNN!NNGC	47	90; 212; 244; 283; 376; 400; 618; 664; 673; 682; 830; 1132; 1294; 1569; 2052; 2094; 2407; 2469; 2495; 2625; 2638; 2679; 2692; 2804; 2840; 2916; 3021; 3452; 4269; 4299; 4326; 4368; 4609; 4681; 4732; 4811; 5033; 5117; 5140; 5279; 5402; 5485; 5752; 5939; 6143; 6342; 6914
Hsp92I	GR!CGYC	11	122; 175; 258; 444; 638; 732; 2639; 3560; 5042; 5744; 5823
Hsp92II	CATG!	34	304; 364; 606; 618; 805; 1030; 1173; 1569; 1650; 1791; 2083; 2727; 2988; 3015; 3021; 3033; 3111; 3177; 3257; 3461; 3468; 4472; 4612; 4684; 4775; 4916; 5261; 5447; 5478; 5504; 5860; 6244; 6964; 7015
HspAI	G!CGC	31	638; 732; 1288; 2489; 2491; 2601; 2632; 2659; 2686; 3455; 3662; 4306; 4314; 4340; 4362; 4371; 4384; 4415; 5034; 5042; 5106; 5143; 5409; 5669; 5845; 5931; 6334; 6443; 6617; 6717; 6784
KasI	G!GCGCC	3	637; 731; 5041
KfII	GG!GWCCC	1	2893
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	1	2474
KspI	CCGC!GG	3	1661; 2607; 2626
Ksp22I	T!GATCA	1	2441
KspAI	GTT!AAC	1	3805
Kzo9I	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	2	5386; 5596
LpnI	RGC!GCV	7	639; 733; 3663; 4307; 4315; 5043; 6718
LpnPI	CCDGNNNNNNNNNN!	104	102; 295; 654; 704; 727; 742; 772; 862; 895; 943; 1006; 1020; 1061; 1097; 1195; 1278; 1312; 1393; 1418; 1469; 1486; 1522; 1606; 1687; 1732; 1753; 1768; 1808; 1851; 1932; 2045; 2065; 2098; 2248; 2319; 2392; 2410; 2461; 2488; 2522; 2583; 2656; 2702; 2721; 2851; 2910; 2950; 2987; 3115; 3172; 3221; 3254; 3316; 3331; 3380; 3460; 3484; 3508; 3570; 3657; 3779; 4084; 4273; 4496; 4534; 4550; 4590; 4645; 4662; 4762; 4847; 4960; 5037; 5059; 5082; 5218; 5232; 5251; 5308; 5375; 5425; 5441; 5498; 5556; 5765; 5831; 5855; 5931; 6020; 6123; 6156; 6387; 6405; 6551; 6571; 6595; 6621; 6670; 6768; 6813; 6843; 6922; 6947; 6984
LpnPI	!NNNNNNNNNNNNNCHGG	91	75; 268; 552; 631; 665; 714; 867; 910; 968; 1029; 1202; 1246; 1285; 1321; 1458; 1495; 1561; 1660; 1768; 1818; 1885; 1905; 1936; 1958; 2017; 2074; 2220; 2329; 2365; 2383; 2460; 2494; 2512; 2620; 2647; 2675; 2693; 2824; 2874; 2896; 2922; 2959; 3145; 3193; 3289; 3390; 3433; 3542; 3568; 3641; 4125; 4245; 4302; 4365; 4563; 4575; 4635; 4647; 4879; 4924; 4967; 5009; 5031; 5059; 5106; 5168; 5190; 5280; 5347; 5370; 5414; 5509; 5528; 5553; 5702; 5803; 5846; 5903; 5993; 6096; 6123; 6141; 6377; 6414; 6567; 6593; 6733; 6751; 6786; 6867; 6920
Lsp1109I	GCAGCNNNNNNNN!	12	676; 1734; 2535; 2731; 3194; 3636; 3830; 5115; 5157; 5678; 6131; 6631
Lsp1109I	!NNNNNNNNNNNGCTGC	10	704; 2771; 2933; 3313; 4324; 4989; 5173; 5266; 6332; 6538
LweI	GCATCNNNNNN!	12	1068; 1499; 1562; 2402; 2432; 3221; 3858; 4621; 4693; 5341; 5405; 5680
LweI	!NNNNNNNNNGATGC	15	357; 608; 752; 879; 1122; 1284; 1788; 2276; 2897; 3374; 3542; 5000; 5255; 5471; 6863
MabI	A!CCWGGT	1	4631
MaeI	C!TAG	9	592; 1805; 3697; 3891; 4309; 4865; 5880; 6214; 6467
MaeII	A!CGT	22	122; 134; 175; 258; 339; 444; 905; 1031; 1221; 2135; 2864; 3341; 3569; 3617; 4102; 4114; 4157; 4267; 5158; 5345; 6126; 6259
MaeIII	!GTNAC	19	61; 148; 497; 1119; 1338; 1840; 1863; 2529; 3264; 3460; 3830; 4331; 4343; 5162; 5468; 6158; 6424; 6540; 6603

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MaiI	GA!TC	27	587; 814; 1276; 2101; 2443; 2515; 2728; 2969; 3499; 3525; 3701; 4881; 4885; 4904; 5215; 5293; 5374; 5383; 5461; 5837; 5853; 6212; 6224; 6302; 6310; 6321; 6396
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	4466; 5655
MbiI	GAG!CGG	3	3685; 4302; 5709
MboI	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
MboII	GAAGANNNNNNNN!	11	787; 1420; 1770; 2748; 3289; 3402; 4298; 4526; 5403; 5613; 6232
MboII	!NNNNNNNTCTTC	8	870; 1365; 1848; 2448; 5693; 5860; 6060; 6303
McaTI	GCG!GC	1	2492
MfeI	C!AATTG	1	3792
MfiI	R!GATCY	12	585; 2099; 2513; 2967; 3523; 5213; 5459; 5851; 6210; 6222; 6308; 6319
MhII	GDGCH!C	24	1324; 1426; 1438; 1466; 1654; 1674; 1709; 2305; 2591; 2697; 2708; 2809; 2845; 3040; 3067; 3100; 4233; 4988; 5081; 5155; 5345; 5407; 6117; 6650
MisI	TGG!CCA	4	1786; 2084; 3643; 5124
MluI	A!CGCGT	0	
MluNI	TGG!CCA	4	1786; 2084; 3643; 5124
MlyI	GAGTCNNNNN!	8	837; 1096; 1871; 2821; 2833; 3272; 4094; 4526
MlyI	!NNNNNGACTC	8	404; 993; 1309; 2842; 3687; 4101; 5707; 6584
Mly113I	GG!CGCC	3	638; 732; 5042
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	2	2879; 4135
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	2	6567; 6751
MnII	CCTCNNNNNNN!	28	634; 798; 964; 1116; 1173; 1315; 1437; 1583; 1648; 1664; 1775; 2188; 2437; 2662; 2839; 3146; 3215; 3325; 3340; 3423; 3556; 3761; 4825; 5643; 5849; 6163; 6533; 6857
MnII	!NNNNNGAGG	37	541; 602; 914; 1443; 1542; 1608; 1932; 2358; 2535; 2672; 2695; 2724; 2739; 2796; 2934; 3027; 3066; 3087; 3120; 3237; 3346; 3402; 3591; 3624; 3667; 3721; 4186; 4517; 4795; 4838; 4853; 4893; 4957; 5093; 5450; 5880; 6783
Mph1103I	ATGCA!T	3	4614; 4686; 7017
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	2474
MroNI	G!CCGGC	3	4259; 5542; 5825
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	4	1786; 2084; 3643; 5124
MseI	T!TAA	19	7; 2882; 2903; 3002; 3227; 3743; 3804; 3925; 3946; 3957; 3969; 3980; 3997; 4095; 4366; 6185; 6199; 6204; 6256
MsII	CAYNN!NNRTG	10	365; 770; 1117; 1417; 1429; 1696; 2437; 2986; 3016; 5479
MspI	C!CGG	31	729; 882; 930; 1308; 1473; 2032; 2235; 2475; 2509; 2643; 2708; 2937; 2974; 3208; 3557; 4260; 4947; 5024; 5046; 5074; 5205; 5295; 5362; 5543; 5818; 5826; 5918; 6392; 6582; 6608; 6755
Msp20I	TGG!CCA	4	1786; 2084; 3643; 5124
MspA1I	CMG!CKG	11	1660; 1743; 2088; 2526; 2606; 2625; 3436; 4540; 5148; 6377; 6622
MspCI	C!TTAAG	1	3924



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	CNNRNNNNNNNNNN!	362	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; 615; 637; 653; 667; 692; 707; 721; 737; 771; 801; 814; 828; 844; 861; 885; 905; 918; 937; 954; 967; 987; 1005; 1019; 1032; 1056; 1070; 1092; 1119; 1148; 1171; 1188; 1229; 1242; 1257; 1273; 1290; 1303; 1320; 1335; 1348; 1391; 1404; 1417; 1467; 1480; 1493; 1506; 1521; 1544; 1560; 1576; 1605; 1626; 1639; 1653; 1669; 1685; 1704; 1723; 1752; 1767; 1780; 1795; 1808; 1822; 1843; 1857; 1872; 1912; 1931; 1955; 1973; 2005; 2043; 2060; 2092; 2106; 2123; 2141; 2157; 2174; 2191; 2211; 2229; 2247; 2271; 2286; 2302; 2318; 2331; 2352; 2376; 2390; 2409; 2427; 2440; 2460; 2487; 2500; 2517; 2530; 2546; 2568; 2582; 2602; 2617; 2634; 2647; 2672; 2689; 2702; 2719; 2736; 2757; 2786; 2800; 2814; 2829; 2842; 2858; 2873; 2893; 2908; 2923; 2940; 2969; 2986; 3006; 3024; 3042; 3072; 3090; 3105; 3120; 3138; 3171; 3186; 3210; 3229; 3253; 3266; 3282; 3300; 3314; 3330; 3343; 3357; 3378; 3391; 3412; 3431; 3445; 3459; 3477; 3490; 3507; 3520; 3534; 3547; 3561; 3582; 3595; 3614; 3633; 3656; 3677; 3702; 3715; 3730; 3749; 3766; 3779; 3820; 3834; 3847; 3865; 3903; 3918; 3936; 3977; 4001; 4021; 4039; 4060; 4083; 4115; 4130; 4152; 4170; 4183; 4204; 4221; 4234; 4247; 4263; 4276; 4306; 4321; 4346; 4364; 4377; 4392; 4416; 4430; 4454; 4479; 4495; 4533; 4549; 4588; 4602; 4616; 4644; 4660; 4674; 4688; 4717; 4730; 4751; 4760; 4782; 4812; 4828; 4846; 4876; 4899; 4923; 4947; 4966; 4994; 5020; 5036; 5049; 5072; 5086; 5106; 5119; 5133; 5152; 5166; 5179; 5195; 5210; 5223; 5239; 5254; 5270; 5295; 5314; 5330; 5343; 5356; 5374; 5388; 5402; 5418; 5440; 5456; 5475; 5497; 5513; 5536; 5555; 5569; 5585; 5599; 5619; 5635; 5648; 5670; 5703; 5717; 5737; 5750; 5764; 5818; 5831; 5854; 5867; 5886; 5903; 5930; 5966; 5999; 6018; 6043; 6064; 6091; 6104; 6121; 6135; 6150; 6166; 6226; 6251; 6267; 6289; 6302; 6316; 6347; 6361; 6386; 6404; 6419; 6432; 6451; 6464; 6479; 6508; 6527; 6545; 6570; 6585; 6604; 6620; 6639; 6657; 6673; 6687; 6706; 6733; 6756; 6778; 6797; 6812; 6825; 6842; 6862; 6889; 6902; 6921; 6946; 6969; 6983; 6996; 7013
MspJI	!NNNNNNNNNNNNYNG	299	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 601; 620; 637; 666; 686; 715; 733; 788; 807; 829; 851; 868; 885; 904; 929; 955; 979; 1013; 1030; 1048; 1066; 1084; 1103; 1135; 1156; 1187; 1231; 1251; 1275; 1293; 1318; 1366; 1387; 1405; 1426; 1447; 1468; 1495; 1513; 1534; 1552; 1579; 1600; 1626; 1643; 1660; 1684; 1705; 1726; 1753; 1774; 1791; 1815; 1837; 1876; 1905; 1937; 1959; 1979; 1996; 2017; 2038; 2066; 2090; 2115; 2140; 2167; 2185; 2203; 2221; 2249; 2269; 2286; 2305; 2326; 2346; 2365; 2383; 2406; 2434; 2460; 2480; 2504; 2522; 2542; 2561; 2581; 2602; 2621; 2642; 2664; 2684; 2710; 2731; 2762; 2780; 2797; 2817; 2840; 2858; 2875; 2897; 2914; 2941; 2960; 2980; 2998; 3016; 3046; 3070; 3088; 3112; 3131; 3153; 3184; 3203; 3227; 3260; 3289; 3331; 3353; 3386; 3406; 3433; 3451; 3468; 3486; 3514; 3535; 3556; 3580; 3602; 3625; 3642; 3668; 3694; 3723; 3752; 3794; 3877; 3912; 3939; 3962; 3991; 4035; 4057; 4089; 4125; 4142; 4163; 4200; 4220; 4237; 4254; 4289; 4307; 4325; 4342; 4366; 4388; 4415; 4443; 4469; 4507; 4528; 4545; 4563; 4586; 4607; 4635; 4658; 4679; 4697; 4718; 4735; 4758; 4782; 4802; 4820; 4842; 4873; 4895; 4921; 4940; 4957; 4985; 5004; 5023; 5041; 5059; 5080; 5102; 5126; 5159; 5179; 5197; 5218; 5244; 5271; 5288; 5305; 5322; 5348; 5370; 5392; 5410; 5430; 5449; 5471; 5509; 5529; 5553; 5573; 5593; 5620; 5644; 5677; 5696; 5724; 5746; 5775; 5803; 5828; 5847; 5866; 5887; 5904; 5921; 5952; 5979; 5999; 6022; 6042; 6079; 6096; 6115; 6141; 6161; 6200; 6227; 6246; 6264; 6301; 6319; 6360; 6378; 6404; 6421; 6453; 6482; 6510; 6531; 6554; 6573; 6594; 6612; 6629; 6647; 6673; 6694; 6714; 6734; 6752; 6773; 6799; 6816; 6835; 6854; 6883; 6902; 6920; 6939; 6957; 6975; 6998
MspR9I	CC!NGG	41	90; 283; 646; 883; 931; 994; 1266; 1300; 1309; 1510; 1675; 1920; 2032; 2236; 2380; 2398; 2643; 2690; 2709; 2839; 2898; 2938; 3160; 3209; 3304; 3319; 3448; 3557; 4578; 4633; 4650; 5046; 5206; 5429; 5819; 6008; 6111; 6583; 6801; 6814; 6935
MssI	GTTT!AAC	0	
MunI	C!AATTG	1	3792

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MvaI	CC!WGG	27	90; 283; 646; 994; 1266; 1300; 1510; 1675; 1920; 2380; 2398; 2690; 2839; 2898; 3160; 3304; 3319; 3448; 4578; 4633; 4650; 5429; 6008; 6111; 6801; 6814; 6935
Mva1269I	GAATGCN!	2	843; 3793
Mva1269I	G!CATTC	1	3886
MvnI	CG!CG	23	60; 1290; 1660; 2489; 2491; 2606; 2625; 2632; 2686; 3691; 3966; 4342; 4362; 4386; 4417; 5108; 5409; 5847; 5931; 5994; 6063; 6336; 6917
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	47	90; 212; 244; 283; 376; 400; 618; 664; 673; 682; 830; 1132; 1294; 1569; 2052; 2094; 2407; 2469; 2495; 2625; 2638; 2679; 2692; 2804; 2840; 2916; 3021; 3452; 4269; 4299; 4326; 4368; 4609; 4681; 4732; 4811; 5033; 5117; 5140; 5279; 5402; 5485; 5752; 5939; 6143; 6342; 6914
NaeI	GCC!GGC	3	4261; 5544; 5827
NarI	GG!CGCC	3	638; 732; 5042
NciI	CC!SGG	14	883; 931; 1309; 2032; 2236; 2643; 2709; 2938; 3209; 3557; 5046; 5206; 5819; 6583
NcoI	C!CATGG	6	360; 1787; 2079; 2984; 4771; 5474
NdeI	CA!TATG	1	234
NdeII	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	4	280; 1002; 1374; 1476
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	2	944; 3104
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	2	980; 3140
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	4	244; 966; 1338; 1440
NgoMIV	G!CCGGC	3	4259; 5542; 5825
NheI	G!CTAGC	1	591
NlaIII	CATG!	34	304; 364; 606; 618; 805; 1030; 1173; 1569; 1650; 1791; 2083; 2727; 2988; 3015; 3021; 3033; 3111; 3177; 3257; 3461; 3468; 4472; 4612; 4684; 4775; 4916; 5261; 5447; 5478; 5504; 5860; 6244; 6964; 7015
NlaIV	GGN!NCC	36	467; 639; 733; 757; 1104; 1425; 1454; 1793; 1965; 2304; 2473; 2613; 2706; 2769; 2808; 2844; 2894; 2895; 2933; 2969; 3039; 3099; 3490; 4197; 4218; 4230; 4421; 4582; 4654; 5043; 5078; 5926; 6005; 6050; 6893; 6932
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	6	1713; 2232; 2457; 3874; 4189; 5781
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	4	347; 3364; 3650; 6853
Nli3877I	CYCGR!G	3	1321; 2711; 2940
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	3	2847; 4831; 5267
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	3380; 4796
NmeDI	RCCGGYNNNNNN!	6	740; 2985; 4271; 5373; 5554; 5837
NmeDI	!NNNNNNNNNNNNRCCGGY	6	715; 2960; 4246; 5348; 5529; 5812
NmuCI	!GTSAC	10	1119; 1338; 1840; 1863; 2529; 3264; 3460; 4331; 5162; 5468
NotI	GC!GGCCGC	1	3686
NruI	TCG!CGA	0	
NsbI	TGC!GCA	2	2660; 5144
NsiI	ATGCA!T	3	4614; 4686; 7017
NspI	RCATG!Y	6	3015; 3461; 4612; 4684; 5447; 6964
NspV	TT!CGAA	1	5724
OliI	CACNN!NNGTG	4	1417; 1429; 1696; 2986
PabI	GTA!C	16	220; 245; 300; 333; 384; 541; 848; 950; 1175; 1391; 1487; 2924; 3029; 3179; 3431; 5349
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	4612; 4684; 5447
PaeR7I	C!TCGAG	0	
PagI	T!CATGA	4	614; 1026; 4468; 6240
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	4	1299; 2838; 6007; 6110
PauI	G!CGCGC	1	2489
PceI	AGG!CCT	2	3412; 4863
PciI	A!CATGT	1	6960
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	2	5386; 5596
PcsI	WCGNNNN!NNNCGW	11	2345; 2501; 2807; 2870; 3626; 5336; 5413; 5656; 5730; 6123; 6641

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PctI	GAATGCN!	2	843; 3793
PctI	G!CATTC	1	3886
PdiI	GCC!GGC	3	4261; 5544; 5827
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	9	1954; 1981; 3113; 3590; 5527; 5661; 5771; 5808; 6986
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	5160
PfIMI	CCANNNN!NTGG	2	2403; 3582
PfoI	T!CCNGGA	2	3317; 5817
PhoI	GG!CC	47	84; 277; 650; 1047; 1264; 1304; 1327; 1618; 1786; 1850; 1942; 2084; 2203; 2323; 2374; 2485; 2614; 2628; 2646; 2706; 2768; 3134; 3377; 3412; 3446; 3469; 3491; 3601; 3643; 3688; 4008; 4150; 4805; 4811; 4820; 4863; 4950; 5124; 5515; 5542; 6051; 6108; 6141; 6486; 6920; 6938; 6949
PinAI	A!CCGGT	1	2973
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNN!	1	5423
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	3	1776; 4988; 5243
PleI	GAGTCNNNN!	8	836; 1095; 1870; 2820; 2832; 3271; 4093; 4525
PleI	!NNNNNGACTC	8	404; 993; 1309; 2842; 3687; 4101; 5707; 6584
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmII	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	4124
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	6254
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	6286
PpiI	!NNNNNNNGAACNNNNNNCTC	1	4092
PpsI	GAGTCNNNN!	8	836; 1095; 1870; 2820; 2832; 3271; 4093; 4525
PpsI	!NNNNNGACTC	8	404; 993; 1309; 2842; 3687; 4101; 5707; 6584
Ppu10I	A!TGCAT	3	4610; 4682; 7013
Ppu21I	YAC!GTR	3	340; 4158; 5346
PpuMI	RG!GWCCY	3	1103; 1452; 2893
PscI	A!CATGT	1	6960
PshAI	GACN!NNGTC	2	1108; 3616
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	3825; 4030
Psp03I	GGWC!C	14	930; 1106; 1251; 1455; 1794; 1838; 2094; 2253; 2754; 2896; 2934; 3576; 5561; 6006
Psp5II	RG!GWCCY	3	1103; 1452; 2893
Psp6I	!CCWGG	27	88; 281; 644; 992; 1264; 1298; 1508; 1673; 1918; 2378; 2396; 2688; 2837; 2896; 3158; 3302; 3317; 3446; 4576; 4631; 4648; 5427; 6006; 6109; 6799; 6812; 6933
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	0	
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	1	2529
PspGI	!CCWGG	27	88; 281; 644; 992; 1264; 1298; 1508; 1673; 1918; 2378; 2396; 2688; 2837; 2896; 3158; 3302; 3317; 3446; 4576; 4631; 4648; 5427; 6006; 6109; 6799; 6812; 6933
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	36	467; 639; 733; 757; 1104; 1425; 1454; 1793; 1965; 2304; 2473; 2613; 2706; 2769; 2808; 2844; 2894; 2895; 2933; 2969; 3039; 3099; 3490; 4197; 4218; 4230; 4421; 4582; 4654; 5043; 5078; 5926; 6005; 6050; 6893; 6932
PspOMI	G!GGCCC	1	2704
PspOMII	CGCCARNNNNNNNNNNNNNNNNNNN!	4	125; 2402; 4772; 5771
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	5174
PspPI	G!GNCC	32	83; 276; 648; 927; 1103; 1248; 1302; 1452; 1791; 1835; 1848; 2091; 2250; 2484; 2612; 2627; 2705; 2751; 2767; 2893; 2931; 3133; 3376; 3468; 3489; 3573; 4149; 5558; 6003; 6049; 6107; 6140
PspPPI	RG!GWCCY	3	1103; 1452; 2893
PspPRI	CCYAGNNNNNNNNNNNNNNNN!	6	1126; 1485; 2849; 4595; 4667; 6173
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	5	2676; 2875; 3228; 4508; 5703
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	6	1106; 1305; 1455; 2707; 2896; 6143
PstI	CTGCA!G	1	2099
PstNI	CAGNNN!CTG	2	6143; 6551
PsuI	R!GATCY	12	585; 2099; 2513; 2967; 3523; 5213; 5459; 5851; 6210; 6222; 6308; 6319
PsyI	GACN!NNGTC	1	5160
PteI	G!CGCGC	1	2489
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	5	1743; 2088; 2526; 4540; 5148
RcaI	T!CATGA	4	614; 1026; 4468; 6240
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	2	1658; 5557
RceI	!NNNNNNNNNNNNNNNNNGTTCGATG	1	867
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNNN!	4	724; 1558; 1986; 3771
RleAI	!NNNNNNNNNTGTGGG	4	857; 1088; 1139; 1409
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	16	219; 244; 299; 332; 383; 540; 847; 949; 1174; 1390; 1486; 2923; 3028; 3178; 3430; 5348
RsaNI	G!TAC	16	218; 243; 298; 331; 382; 539; 846; 948; 1173; 1389; 1485; 2922; 3027; 3177; 3429; 5347
RseI	CAYNN!NNRTG	10	365; 770; 1117; 1417; 1429; 1696; 2437; 2986; 3016; 5479
RsrII	CG!GWCCG	1	5558
Rsr2I	CG!GWCCG	1	5558
SacI	GAGCT!C	0	
SacII	CCGC!GG	3	1661; 2607; 2626
SalI	G!TCGAC	0	
SapI	GCTCTCN!	0	
SapI	!NNNNGAAGAGC	2	5386; 5596
SaqAI	T!TAA	19	7; 2882; 2903; 3002; 3227; 3743; 3804; 3925; 3946; 3957; 3969; 3980; 3997; 4095; 4366; 6185; 6199; 6204; 6256
SatI	GC!NGC	53	596; 665; 674; 677; 718; 1723; 1802; 2375; 2464; 2467; 2470; 2524; 2550; 2553; 2604; 2607; 2626; 2720; 2785; 2947; 3132; 3183; 3327; 3444; 3625; 3689; 3819; 4338; 4360; 4374; 4812; 4951; 5003; 5014; 5104; 5109; 5146; 5187; 5274; 5280; 5516; 5612; 5653; 5667; 5781; 6120; 6135; 6346; 6552; 6555; 6620; 6763; 6918
Sau96I	G!GNCC	32	83; 276; 648; 927; 1103; 1248; 1302; 1452; 1791; 1835; 1848; 2091; 2250; 2484; 2612; 2627; 2705; 2751; 2767; 2893; 2931; 3133; 3376; 3468; 3489; 3573; 4149; 5558; 6003; 6049; 6107; 6140
Sau3AI	!GATC	27	585; 812; 1274; 2099; 2441; 2513; 2726; 2967; 3497; 3523; 3699; 4879; 4883; 4902; 5213; 5291; 5372; 5381; 5459; 5835; 5851; 6210; 6222; 6300; 6308; 6319; 6394
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	8	837; 1096; 1871; 2821; 2833; 3272; 4094; 4526
SchI	!NNNNNGACTC	8	404; 993; 1309; 2842; 3687; 4101; 5707; 6584
SciI	CTC!GAG	0	
ScrFI	CC!NGG	41	90; 283; 646; 883; 931; 994; 1266; 1300; 1309; 1510; 1675; 1920; 2032; 2236; 2380; 2398; 2643; 2690; 2709; 2839; 2898; 2938; 3160; 3209; 3304; 3319; 3448; 3557; 4578; 4633; 4650; 5046; 5206; 5429; 5819; 6008; 6111; 6583; 6801; 6814; 6935
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNN!	8	925; 1782; 2694; 3414; 4620; 4692; 4861; 6803
SdeAI	!NNNNNNNNNNNNNNNNNNCTYCTG	3	2338; 5197; 5682
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	4	279; 1001; 1373; 1475
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	1	945
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	1	979
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	4	245; 967; 1339; 1441

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SduI	GDGCH!C	24	1324; 1426; 1438; 1466; 1654; 1674; 1709; 2305; 2591; 2697; 2708; 2809; 2845; 3040; 3067; 3100; 4233; 4988; 5081; 5155; 5345; 5407; 6117; 6650
SelI	!CGCG	23	58; 1288; 1658; 2487; 2489; 2604; 2623; 2630; 2684; 3689; 3964; 4340; 4360; 4384; 4415; 5106; 5407; 5845; 5929; 5992; 6061; 6334; 6915
SetI	ASST!	99	125; 137; 178; 261; 308; 342; 447; 552; 568; 684; 790; 851; 878; 908; 956; 995; 1012; 1034; 1108; 1224; 1246; 1270; 1429; 1606; 1640; 1679; 1745; 1931; 2090; 2138; 2252; 2359; 2384; 2528; 2536; 2575; 2666; 2735; 2836; 2867; 2902; 2921; 2948; 2999; 3026; 3122; 3172; 3193; 3344; 3350; 3479; 3497; 3509; 3548; 3572; 3616; 3620; 3635; 3678; 3732; 3753; 3762; 3774; 3823; 3990; 4105; 4117; 4160; 4197; 4247; 4270; 4394; 4542; 4637; 4830; 4943; 5071; 5150; 5161; 5233; 5304; 5348; 5608; 5754; 5798; 6129; 6160; 6219; 6262; 6405; 6426; 6525; 6662; 6677; 6696; 6708; 6752; 6798; 6849
SexAI	A!CCWGGT	1	4631
SfaI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	12	1068; 1499; 1562; 2402; 2432; 3221; 3858; 4621; 4693; 5341; 5405; 5680
SfaNI	!NNNNNNNNNGATGC	15	357; 608; 752; 879; 1122; 1284; 1788; 2276; 2897; 3374; 3542; 5000; 5255; 5471; 6863
Sfcl	C!TRYAG	4	2095; 4377; 6504; 6695
SfiI	GGCCNNNN!NGGCC	1	4817
SfoI	GGC!GCC	3	639; 733; 5043
Sfr274I	C!TCGAG	0	
Sfr303I	CCGC!GG	3	1661; 2607; 2626
SfuI	TT!CGAA	1	5724
SgeI	CNNGNNNNNNNN!	289	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 627; 647; 663; 692; 712; 726; 741; 771; 814; 828; 846; 861; 885; 911; 937; 987; 1005; 1019; 1039; 1056; 1092; 1171; 1194; 1229; 1257; 1273; 1290; 1303; 1320; 1335; 1348; 1392; 1413; 1427; 1468; 1485; 1506; 1521; 1549; 1572; 1588; 1605; 1626; 1659; 1673; 1686; 1716; 1731; 1752; 1767; 1795; 1817; 1845; 1863; 1912; 1931; 1963; 1985; 2005; 2043; 2064; 2092; 2106; 2127; 2141; 2193; 2211; 2229; 2247; 2275; 2303; 2318; 2331; 2352; 2376; 2391; 2409; 2460; 2487; 2500; 2517; 2530; 2553; 2568; 2582; 2607; 2622; 2636; 2654; 2674; 2690; 2710; 2736; 2757; 2793; 2814; 2835; 2850; 2877; 2901; 2923; 2940; 2969; 2986; 3006; 3024; 3042; 3072; 3096; 3114; 3129; 3171; 3186; 3210; 3229; 3253; 3266; 3294; 3315; 3330; 3357; 3379; 3412; 3432; 3445; 3459; 3477; 3490; 3507; 3520; 3540; 3561; 3582; 3595; 3633; 3656; 3677; 3702; 3749; 3778; 3820; 3903; 3977; 4061; 4083; 4115; 4152; 4170; 4189; 4204; 4246; 4263; 4280; 4315; 4329; 4346; 4368; 4392; 4416; 4481; 4495; 4533; 4549; 4589; 4602; 4621; 4644; 4661; 4674; 4693; 4723; 4744; 4761; 4784; 4819; 4846; 4877; 4899; 4925; 4947; 4966; 4994; 5030; 5049; 5072; 5086; 5106; 5119; 5133; 5152; 5166; 5185; 5217; 5231; 5244; 5270; 5301; 5314; 5331; 5348; 5362; 5379; 5397; 5412; 5440; 5456; 5475; 5497; 5513; 5536; 5555; 5580; 5599; 5619; 5646; 5670; 5703; 5722; 5750; 5764; 5830; 5854; 5869; 5892; 5913; 5930; 5978; 6005; 6019; 6048; 6072; 6105; 6122; 6142; 6155; 6168; 6226; 6253; 6272; 6302; 6327; 6347; 6361; 6386; 6404; 6441; 6479; 6508; 6536; 6550; 6570; 6585; 6606; 6620; 6639; 6657; 6673; 6713; 6733; 6760; 6778; 6799; 6812; 6825; 6842; 6866; 6889; 6921; 6946; 6973; 6995

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	!NNNNNNNNNNNNNCNNG	249	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 601; 621; 641; 666; 686; 715; 745; 788; 807; 829; 859; 885; 911; 961; 979; 1013; 1030; 1066; 1145; 1168; 1203; 1231; 1251; 1275; 1294; 1318; 1366; 1387; 1442; 1459; 1480; 1523; 1546; 1579; 1600; 1633; 1660; 1690; 1726; 1769; 1791; 1819; 1837; 1886; 1905; 1937; 1959; 1979; 2017; 2038; 2066; 2101; 2122; 2167; 2185; 2203; 2221; 2249; 2277; 2296; 2317; 2335; 2365; 2383; 2434; 2461; 2480; 2504; 2527; 2556; 2581; 2602; 2621; 2648; 2669; 2693; 2710; 2731; 2767; 2788; 2809; 2851; 2875; 2897; 2914; 2943; 2960; 2980; 2998; 3016; 3046; 3070; 3088; 3112; 3145; 3184; 3203; 3227; 3268; 3289; 3331; 3353; 3386; 3406; 3433; 3451; 3472; 3494; 3514; 3535; 3556; 3580; 3607; 3630; 3651; 3676; 3723; 3752; 3794; 3877; 3951; 4035; 4057; 4089; 4126; 4144; 4163; 4220; 4237; 4254; 4289; 4307; 4327; 4347; 4366; 4390; 4455; 4507; 4563; 4595; 4618; 4635; 4667; 4697; 4718; 4735; 4758; 4793; 4820; 4851; 4873; 4899; 4921; 4940; 4968; 5004; 5023; 5046; 5067; 5085; 5102; 5126; 5159; 5191; 5218; 5244; 5275; 5305; 5322; 5348; 5371; 5392; 5414; 5434; 5454; 5471; 5510; 5529; 5554; 5573; 5593; 5620; 5644; 5677; 5696; 5724; 5746; 5804; 5828; 5847; 5866; 5887; 5904; 5952; 5979; 5999; 6022; 6046; 6079; 6096; 6116; 6142; 6200; 6227; 6246; 6276; 6301; 6321; 6360; 6378; 6415; 6453; 6482; 6510; 6531; 6559; 6580; 6613; 6631; 6687; 6707; 6734; 6752; 6773; 6799; 6816; 6840; 6863; 6895; 6920; 6947; 6969; 6998
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	1	728
SgrBI	CCGC!GG	3	1661; 2607; 2626
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	5	27; 885; 4189; 5976; 6769
SimI	!GACCC	10	106; 1140; 1452; 1623; 1791; 2893; 2931; 5470; 6038; 6286
SinI	G!GWCC	14	927; 1103; 1248; 1452; 1791; 1835; 2091; 2250; 2751; 2893; 2931; 3573; 5558; 6003
SlaI	C!TCGAG	0	
SmaI	CCC!GGG	2	2709; 2938
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	10	365; 770; 1117; 1417; 1429; 1696; 2437; 2986; 3016; 5479
SmlI	C!TYRAG	7	3508; 3547; 3924; 5433; 6315; 6592; 6854
SmoI	C!TYRAG	7	3508; 3547; 3924; 5433; 6315; 6592; 6854
SmuI	CCCGCNNNN!	14	93; 119; 286; 1545; 1665; 2494; 2630; 3441; 3543; 4364; 4719; 4740; 5936; 6068
SmuI	!NNNNNNGCGGG	9	1490; 1653; 2602; 3478; 4295; 5165; 5702; 5840; 5987
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	4612; 4684; 5447
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	12	18; 1212; 2146; 3792; 3856; 3934; 3960; 3971; 4618; 4690; 4782; 6200
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCCT	0	
SseBI	AGG!CCT	2	3412; 4863
SsiI	C!CGC	45	58; 86; 98; 112; 279; 507; 589; 596; 1538; 1658; 1830; 2105; 2375; 2487; 2604; 2623; 2630; 3296; 3434; 3536; 3689; 4357; 4360; 4374; 4464; 4712; 4724; 4733; 4745; 4755; 4766; 4812; 4951; 5014; 5516; 5561; 5627; 5653; 5778; 5781; 5929; 6061; 6368; 6512; 7008
SsiI	G!CGG	39	370; 403; 528; 1497; 1660; 1801; 2463; 2466; 2469; 2549; 2552; 2606; 2609; 2625; 2749; 3131; 3443; 3485; 3685; 4302; 4329; 4417; 4527; 5108; 5172; 5273; 5276; 5556; 5611; 5709; 5847; 5994; 6134; 6377; 6622; 6743; 6762; 6889; 6917
SspI	AAT!ATT	2	3950; 4503
SspDI	G!GCGCC	3	637; 731; 5041
SspD5I	GGTGANNNNNNNN!	8	376; 997; 2745; 3000; 3369; 3679; 6113; 6229
SspD5I	!NNNNNNNNNTCACC	10	1004; 1367; 1511; 2345; 2420; 2435; 2522; 3257; 4158; 5219
SstI	GAGCT!C	0	
SstII	CCGC!GG	3	1661; 2607; 2626
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNNNN!	1	3302
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Sth132I	CCCGNNNN!	30	92; 118; 285; 1422; 1544; 1664; 2038; 2270; 2493; 2629; 2636; 2649; 2714; 2943; 3224; 3440; 3542; 3563; 4241; 4363; 4718; 4739; 5052; 5455; 5594; 5665; 5935; 6067; 6297; 6735
Sth132I	!NNNNNNNNCGGG	34	15; 407; 470; 626; 691; 874; 922; 1300; 1489; 1652; 2227; 2291; 2601; 2700; 2929; 2948; 3200; 3273; 3477; 4242; 4294; 4395; 5122; 5164; 5197; 5701; 5810; 5839; 5986; 6090; 6121; 6574; 6618; 6826
Sth302II	CC!GG	31	730; 883; 931; 1309; 1474; 2033; 2236; 2476; 2510; 2644; 2709; 2938; 2975; 3209; 3558; 4261; 4948; 5025; 5047; 5075; 5206; 5296; 5363; 5544; 5819; 5827; 5919; 6393; 6583; 6609; 6756
StrI	C!TCGAG	0	
StsI	GGATGNNNNNNNNNN!	8	1145; 1489; 2027; 2299; 4910; 5367; 5392; 5846
StsI	!NNNNNNNNNNNNNNCATCC	9	1575; 1812; 2379; 2409; 2837; 3053; 3141; 3198; 4714
StuI	AGG!CCT	2	3412; 4863
StyI	C!CWWGG	9	360; 1787; 2079; 2246; 2984; 4771; 4864; 5474; 5879
StyD4I	!CCNGG	41	88; 281; 644; 881; 929; 992; 1264; 1298; 1307; 1508; 1673; 1918; 2030; 2234; 2378; 2396; 2641; 2688; 2707; 2837; 2896; 2936; 3158; 3207; 3302; 3317; 3446; 3555; 4576; 4631; 4648; 5044; 5204; 5427; 5817; 6006; 6109; 6581; 6799; 6812; 6933
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	21	76; 198; 269; 543; 581; 1149; 1332; 1779; 1935; 2214; 2319; 2439; 3042; 4133; 5422; 5538; 5646; 5969; 6460; 6930; 7001
TaiI	ACGT!	22	125; 137; 178; 261; 342; 447; 908; 1034; 1224; 2138; 2867; 3344; 3572; 3620; 4105; 4117; 4160; 4270; 5161; 5348; 6129; 6262
TaqI	T!CGA	19	887; 1208; 1613; 1634; 2729; 3125; 3152; 3620; 4191; 4882; 5155; 5311; 5335; 5371; 5533; 5724; 5769; 6024; 6862
TaqII	GACCGANNNNNNNNNN!	4	1265; 4062; 5079; 5747
TaqII	!NNNNNNNNNTCGGTC	1	5991
TaqII	CACCCANNNNNNNNNN!	4	721; 739; 1393; 3115
TaqII	!NNNNNNNNNTGGGTG	3	172; 4946; 5538
TasI	!AATT	12	18; 1212; 2146; 3792; 3856; 3934; 3960; 3971; 4618; 4690; 4782; 6200
TatI	W!GTACW	7	217; 297; 330; 381; 1388; 1484; 3026
TauI	GCSG!C	29	598; 1804; 2377; 2466; 2469; 2472; 2552; 2555; 2606; 2609; 2628; 3134; 3446; 3691; 4362; 4376; 4814; 4953; 5016; 5111; 5276; 5279; 5518; 5614; 5655; 5783; 6137; 6765; 6920
TfiI	G!AWTC	9	1954; 1981; 3113; 3590; 5527; 5661; 5771; 5808; 6986
TliI	C!TCGAG	0	
TruII	T!TAA	19	7; 2882; 2903; 3002; 3227; 3743; 3804; 3925; 3946; 3957; 3969; 3980; 3997; 4095; 4366; 6185; 6199; 6204; 6256
Tru9I	T!TAA	19	7; 2882; 2903; 3002; 3227; 3743; 3804; 3925; 3946; 3957; 3969; 3980; 3997; 4095; 4366; 6185; 6199; 6204; 6256
TscAI	CASTGNN!	16	665; 674; 963; 987; 1133; 1152; 1784; 1845; 1965; 2408; 2444; 3888; 5171; 6281; 6552; 6565
TseI	G!CWGC	25	664; 673; 676; 717; 1722; 2523; 2719; 2784; 2946; 3182; 3326; 3624; 3818; 4337; 5002; 5103; 5145; 5186; 5279; 5666; 6119; 6345; 6551; 6554; 6619
TsoI	TARCCANNNNNNNNNN!	3	2424; 4014; 4361
TsoI	!NNNNNNNNNTGGYTA	3	3151; 3819; 5571
Tsp45I	!GTSAC	10	1119; 1338; 1840; 1863; 2529; 3264; 3460; 4331; 5162; 5468
Tsp509I	!AATT	12	18; 1212; 2146; 3792; 3856; 3934; 3960; 3971; 4618; 4690; 4782; 6200
TspDTI	ATGAANNNNNNNNNN!	7	788; 1582; 1598; 3034; 3800; 5101; 5805
TspDTI	!NNNNNNNNNTTCAT	8	26; 1015; 1596; 3162; 3183; 5519; 5975; 6182
TspEI	!AATT	12	18; 1212; 2146; 3792; 3856; 3934; 3960; 3971; 4618; 4690; 4782; 6200
TspGWI	ACGGANNNNNNNNNN!	4	2197; 2714; 2980; 5917
TspGWI	!NNNNNNNNNTCCGT	1	1068
TspMI	C!CCGGG	2	2707; 2936
TspRI	CASTGNN!	16	665; 674; 963; 987; 1133; 1152; 1784; 1845; 1965; 2408; 2444; 3888; 5171; 6281; 6552; 6565
TstI	CACNNNNNTCCNNNNNNNNNN!	1	809
TstI	!NNNNNNNGGANNNNNNGTG	1	851
TstI	GGANNNNNGTGNNNNNNNNNN!	1	883
TstI	!NNNNNNNNCACNNNNNTCC	1	777
Tth111I	GACN!NNGTC	1	5160

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Tth111II	CAARCANNNNNNNNNNN!	2	3214; 6369
Tth111II	!NNNNNNNNNTGYTTG	4	1432; 5477; 6337; 6376
UnbI	!GGNCC	32	82; 275; 647; 926; 1102; 1247; 1301; 1451; 1790; 1834; 1847; 2090; 2249; 2483; 2611; 2626; 2704; 2750; 2766; 2892; 2930; 3132; 3375; 3467; 3488; 3572; 4148; 5557; 6002; 6048; 6106; 6139
Van9II	CCANNNN!NTGG	2	2403; 3582
Vha464I	C!TTAAG	1	3924
VneI	G!TGCAC	2	3063; 6646
VpaK11AI	!GGWCC	14	926; 1102; 1247; 1451; 1790; 1834; 2090; 2249; 2750; 2892; 2930; 3572; 5557; 6002
VpaK11BI	G!GWCC	14	927; 1103; 1248; 1452; 1791; 1835; 2091; 2250; 2751; 2893; 2931; 3573; 5558; 6003
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATY	4	2146; 3856; 3960; 3971
XbaI	T!CTAGA	1	3696
XceI	RCATG!Y	6	3015; 3461; 4612; 4684; 5447; 6964
XcmI	CCANNNNN!NNNNTGG	2	921; 1572
XhoI	C!TCGAG	0	
XhoII	R!GATCY	12	585; 2099; 2513; 2967; 3523; 5213; 5459; 5851; 6210; 6222; 6308; 6319
XmaI	C!CCGGG	2	2707; 2936
XmaJI	C!CTAGG	2	4864; 5879
XmiI	GT!MKAC	2	1913; 3563
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	9	592; 1805; 3697; 3891; 4309; 4865; 5880; 6214; 6467
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	4614; 4686; 7017