

pTurboFP602-B vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	1	49
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	2	1925; 2338
AatI	AGG!CCT	0	
AatII	GACGT!C	1	4045
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	2002
AccII	CG!CG	8	1831; 1833; 1936; 2277; 2858; 3188; 3681; 4013
AccIII	T!CCGGA	1	1208
Acc16I	TGC!GCA	1	3345
Acc36I	ACCTGCNNNN!	1	659
Acc36I	!NNNNNNNNGCAGGT	0	
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	4	193; 253; 1678; 3071
AccB7I	CCANNNN!NTGG	3	726; 738; 1444
AccBSI	CCG!CTC	1	1815
AccBSI	GAG!CGG	4	36; 68; 2163; 3964
AceIII	CAGCTCNNNNNNN!	3	1882; 2182; 3422
AceIII	!NNNNNNNNNNNGAGCTG	3	139; 1227; 1809
Acil	C!CGC	24	452; 590; 692; 928; 1190; 1554; 1810; 1813; 2070; 2096; 2113; 2275; 2303; 2430; 2449; 2570; 2815; 3186; 3277; 3514; 3679; 3756; 3865; 4011
Acil	G!CGG	20	36; 68; 287; 599; 641; 1648; 1903; 1942; 1952; 1994; 2019; 2057; 2156; 2163; 2184; 2680; 2824; 3468; 3635; 3964
AclI	AA!CGTT	3	1299; 3349; 3722
AclWI	GGATCNNNN!	4	129; 2879; 2976; 3756
AclWI	!NNNNNGATCC	8	122; 674; 869; 2791; 2877; 2975; 3439; 3760
AcoI	Y!GGCCR	4	615; 797; 1477; 3511
AcsI	R!AATTY	2	17; 1212
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	3	649; 858; 2778
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	3790
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	2	3660; 4042
AdeI	CACNNN!GTG	1	726
AfaI	GT!AC	8	184; 334; 586; 805; 1091; 1629; 2038; 3603
AfeI	AGC!GCT	0	
AfiI	CCNNNNN!NNGG	11	250; 363; 529; 726; 738; 1444; 1881; 2252; 2270; 2436; 2715
AfIII	C!TTAAG	0	
AfIII	A!CRYGT	1	2230
AgeI	A!CCGGT	0	
AgsI	TTS!AA	7	59; 216; 2699; 3901; 3924; 3934; 3978
AhdI	GACNNN!NNGTC	1	3123
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	9	314; 362; 458; 1387; 1443; 1691; 2256; 2377; 2390
AjuI	GAANNNNNNNTTGNNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	0	
AlfI	GCANNNNNTGCGNNNNNNNNNNN!	1	595
AlfI	!NNNNNNNNNGCANNNNNTGCG	1	561
AloI	GAACNNNNNTCCNNNNNNNNNNN!	1	540
AloI	!NNNNNNNGGANNNNNNGTTC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AloI	GGANNNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNNNTCC	1	508
AluI	AG!CT	25	153; 326; 633; 836; 842; 851; 856; 960; 964; 984; 993; 1112; 1241; 1712; 1823; 1872; 1891; 2172; 2398; 2534; 2791; 3111; 3312; 3412; 3475
AluBI	AG!CT	25	153; 326; 633; 836; 842; 851; 856; 960; 964; 984; 993; 1112; 1241; 1712; 1823; 1872; 1891; 2172; 2398; 2534; 2791; 3111; 3312; 3412; 3475
AlwI	GGATCNNNN!	4	129; 2879; 2976; 3756
AlwI	!NNNNNGATCC	8	122; 674; 869; 2791; 2877; 2975; 3439; 3760
Alw21I	GWGCW!C	5	223; 2050; 2548; 3709; 3794
Alw26I	GTCTCN!	2	1436; 3960
Alw26I	!NNNNNGAGAC	3	760; 1873; 3184
Alw44I	G!TGCAC	4	219; 2046; 2544; 3790
AlwNI	CAGNNN!CTG	1	2646
Ama87I	C!YCGRG	1	1
Aor13HI	T!CCGGA	1	1208
Aor51HI	AGC!GCT	0	
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	1	2055
ApaLI	G!TGCAC	4	219; 2046; 2544; 3790
ApeKI	G!CWGC	15	338; 482; 780; 1823; 1869; 1966; 2135; 2153; 2572; 2637; 2640; 2846; 3111; 3174; 3540
ApoI	R!AATTY	2	17; 1212
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	2354
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	0	
AquII	GCCGNACNNNNNNNNNNNNNNNNNN!	0	
AquII	!NNNNNNNNNNNNNNNNNGTNCGGC	1	314
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	1	125
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	1	2098
ArsI	GACNNNNNTTYGNNNNNNNNNN!	1	1511
ArsI	!NNNNNCCRAANNNNNNGTC	0	
ArsI	CRAANNNNNNGTCNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	1	1479
AscI	GG!CGGCC	0	
AseI	AT!TAAT	1	3295
Asi256I	G!ATC	20	122; 128; 156; 270; 504; 680; 875; 2797; 2872; 2883; 2891; 2969; 2981; 3086; 3427; 3445; 3491; 3749; 3766; 3802
AsiGI	A!CCGGT	0	
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	1977
Asp700I	GAANN!NNTTC	1	3722
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	0	
AspEI	GACNNN!NNGTC	1	3123
AspLEI	GCG!C	14	1833; 1936; 1966; 2107; 2140; 2410; 2477; 2577; 2751; 2860; 3253; 3346; 3683; 4015
AspS9I	G!GNCC	10	289; 532; 624; 729; 1754; 3165; 3244; 3261; 3483; 4099
AssI	AGT!ACT	3	805; 1629; 3603
AsuII	TT!CGAA	0	
AsuC2I	CC!SGG	7	713; 932; 1876; 1911; 2610; 3306; 3657
AsuHPI	GGTGANNNNNNN!	10	151; 525; 959; 1248; 1392; 1460; 1794; 1852; 3609; 3850
AsuHPI	!NNNNNNNTCACC	9	150; 414; 1254; 1448; 1502; 2966; 3193; 3815; 4104
AsuNHI	G!CTAGC	1	960
AvaI	C!YCGRG	1	1
AvaII	G!GWCC	3	729; 3261; 3483
AviII	TGC!GCA	1	3345
AvrII	C!CTAGG	0	
AxyI	CC!TNAGG	1	398
BaeI	ACNNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	8	196; 223; 256; 833; 1683; 2050; 2548; 3794

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BalI	TGG!CCA	3	617; 799; 1479
BamHI	G!GATCC	1	127
BanI	G!GYRCC	4	193; 253; 1678; 3071
BanII	GRGCY!C	0	
BanIII	AT!CGAT	0	
BarI	GAAGNNNNNTACNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	0	
BasI	CCANNN!NTGG	3	726; 738; 1444
BauI	C!ACGAG	2	784; 4094
BauI	C!TCGTG	3	634; 2403; 3787
BbeI	GGCG!C	0	
Bbr7I	GAAGACNNNNNN!	1	445
Bbr7I	!NNNNNNNNNNNGTCTTC	1	4096
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	1	440
BbsI	!NNNNNNNGTCTTC	1	4101
BbuI	GCATG!C	0	
BbvI	GCAGCNNNNNNNN!	7	350; 792; 1881; 1978; 2649; 2858; 3552
BbvI	!NNNNNNNNNNNGCTGC	7	469; 1810; 2122; 2140; 2559; 3098; 3161
Bbv12I	GWGCW!C	5	223; 2050; 2548; 3709; 3794
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	5	531; 906; 3167; 3291; 3578
BccI	!NNNNNGATGG	3	615; 783; 1581
BceAI	ACGGCNNNNNNNNNN!	5	351; 495; 546; 1138; 2732
BceAI	!NNNNNNNNNNNGCCGT	1	1563
Bcefl	ACGGCNNNNNNNNNN!	5	351; 495; 546; 1138; 2732
Bcefl	!NNNNNNNNNNNGCCGT	1	1564
BcgI	CGANNNNNNTGCNNNNNNNNNN!	1	3662
BcgI	!NNNNNNNNNNNGCANNNNNTCG	0	
BcgI	GCANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNTGC	1	3628
BciVI	GTATCCNNNNNN!	0	
BciVI	!NNNNNGGATAC	2	2433; 3960
BclI	T!GATCA	1	155
BcnI	CC!SGG	7	713; 932; 1876; 1911; 2610; 3306; 3657
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNN!	2	1087; 2335
BdaI	!NNNNNNNNNNTGANNNNNTCA	2	1053; 2301
BfaI	C!TAG	7	818; 961; 1709; 1818; 2725; 2978; 3313
BfiI	ACTGGGNNNN!	2	835; 1761
BfiI	!NNNNCCCAGT	2	1971; 3163
BfmI	C!TRYAG	3	2495; 2686; 3364
BfoI	RGCGC!Y	2	2108; 2478
BfrI	C!TTAAG	0	
BfuI	GTATCCNNNNNN!	0	
BfuI	!NNNNNGGATAC	2	2433; 3960
BfuAI	ACCTGCNNNN!	1	659
BfuAI	!NNNNNNNNGCAGGT	0	
BfuCI	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
BglII	GCCNNNN!NGGC	2	608; 3243
BglIII	A!GATCT	0	
BisI	GC!NGC	26	288; 339; 483; 600; 781; 928; 1554; 1813; 1824; 1870; 1967; 2020; 2136; 2157; 2275; 2430; 2573; 2638; 2641; 2847; 3112; 3175; 3514; 3541; 3636; 3865
BlnI	C!CTAGG	0	
BlpI	GC!TNAGC	1	852
BlsI	GCN!GC	26	289; 340; 484; 601; 782; 929; 1555; 1814; 1825; 1871; 1968; 2021; 2137; 2158; 2276; 2431; 2574; 2639; 2642; 2848; 3113; 3176; 3515; 3542; 3637; 3866
BmcAI	AGT!ACT	3	805; 1629; 3603
Bme18I	G!GWCC	3	729; 3261; 3483

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Bme1390I	CC!NGG	16	316; 364; 460; 713; 932; 1389; 1445; 1693; 1876; 1911; 2258; 2379; 2392; 2610; 3306; 3657
BmeRI	GACNNN!NNGTC	1	3123
BmeT110I	C!YCGRG	1	1
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	10	290; 533; 625; 730; 1755; 3166; 3245; 3262; 3484; 4100
BmiI	GGN!NCC	11	129; 195; 255; 1680; 2262; 2301; 3073; 3167; 3208; 3419; 4009
BmrI	ACTGGGNNNNN!	2	835; 1761
BmrI	!NNNNCCCAGT	2	1971; 3163
BmrFI	CC!NGG	16	316; 364; 460; 713; 932; 1389; 1445; 1693; 1876; 1911; 2258; 2379; 2392; 2610; 3306; 3657
BmsI	GCATCNNNNN!	8	377; 1055; 1728; 2031; 2107; 2327; 3379; 3819
BmsI	!NNNNNNNNNGATGC	7	530; 569; 698; 1540; 1896; 2067; 3570
BmtI	GCTAG!C	1	964
BmuI	ACTGGGNNNNN!	2	835; 1761
BmuI	!NNNNCCCAGT	2	1971; 3163
BoxI	GACNN!NNGTC	1	772
BpiI	GAAGACNN!	1	440
BpiI	!NNNNNNGTCTTC	1	4101
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	0	
BpI	!NNNNNNNGAGNNNNNNCTC	0	
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	1334
BpmI	!NNNNNNNNNNNNNNCTCCAG	2	457; 3193
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	985
Bpu14I	TT!CGAA	0	
Bpu1102I	GC!TNAGC	1	852
BpuAI	GAAGACNN!	1	440
BpuAI	!NNNNNNGTCTTC	1	4101
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	1734; 2619
BpuEI	!NNNNNNNNNNNNNNCTCAAG	5	649; 688; 2321; 2860; 3728
BpuMI	CC!SGG	7	713; 932; 1876; 1911; 2610; 3306; 3657
BpvUI	CGAT!CG	1	3493
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	2	760; 3184
Bsa29I	AT!CGAT	0	
BsaAI	YAC!GTR	1	1984
BsaBI	GATNN!NNATC	1	126
BsaHI	GR!CGYC	2	3660; 4042
BsaJI	C!CNNGG	10	131; 227; 362; 458; 612; 1443; 1444; 1513; 1692; 2390
BsaMI	GAATGCN!	2	1205; 1612
BsaMI	G!CATTC	0	
BsaWI	W!CCGGW	4	1208; 2436; 2583; 3414
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	0	
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNNCTCC	0	
BsbI	CAACACNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNGTGTG	1	1926
Bsc4I	CCNNNNN!NNGG	11	250; 363; 529; 726; 738; 1444; 1881; 2252; 2270; 2436; 2715
BscAI	GCATCNNNN!	8	376; 1054; 1727; 2030; 2106; 2326; 3378; 3818
BscAI	!NNNNNNGATGC	7	533; 572; 701; 1543; 1899; 2070; 3573
Bse1I	ACTGGN!	8	743; 830; 1019; 1756; 2010; 2638; 2651; 3599
Bse1I	C!CAGT	8	878; 1459; 1977; 2763; 3169; 3287; 3330; 3769
Bse8I	GATNN!NNATC	1	126
Bse21I	CC!TNAGG	1	398
Bse118I	R!CCGGY	1	3203
BseAI	T!CCGGA	1	1208
BseBI	CC!WGG	9	316; 364; 460; 1389; 1445; 1693; 2258; 2379; 2392
BseCI	AT!CGAT	0	
BseDI	C!CNNGG	10	131; 227; 362; 458; 612; 1443; 1444; 1513; 1692; 2390
Bse3DI	GCAATGNN!	2	1231; 3184
Bse3DI	!CATTGC	1	3358
BseGI	GGATGNN!	1	1911

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BseGI	!CATCC	8	223; 311; 368; 523; 1205; 3102; 3283; 3570
BseJI	GATNN!NNATC	1	126
BseLI	CCNNNNN!NNGG	11	250; 363; 529; 726; 738; 1444; 1881; 2252; 2270; 2436; 2715
BseMI	GCAATGNN!	2	1231; 3184
BseMI	!CATTGC	1	3358
BseMII	CTCAGNNNNNNNNNN!	6	903; 1447; 1753; 2519; 2928; 3094
BseMII	!NNNNNNNNCTGAG	6	389; 595; 843; 1786; 2031; 3611
BseNI	ACTGGN!	8	743; 830; 1019; 1756; 2010; 2638; 2651; 3599
BseNI	C!CAGT	8	878; 1459; 1977; 2763; 3169; 3287; 3330; 3769
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	1	115
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGC!C	8	196; 223; 256; 833; 1683; 2050; 2548; 3794
BseXI	GCAGCNNNNNNNN!	7	350; 792; 1881; 1978; 2649; 2858; 3552
BseXI	!NNNNNNNNNNNGCTGC	7	469; 1810; 2122; 2140; 2559; 3098; 3161
BseX3I	C!GGCCG	0	
BseYI	C!CCAGC	0	
BseYI	G!CTGGG	2	560; 2534
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	1	637
Bsh1236I	CG!CG	8	1831; 1833; 1936; 2277; 2858; 3188; 3681; 4013
Bsh1285I	CGRY!CG	3	2570; 3493; 3642
BshFI	GG!CC	22	290; 533; 568; 602; 611; 617; 625; 757; 799; 1125; 1170; 1392; 1479; 1756; 2245; 2256; 2274; 2708; 3166; 3246; 3513; 4100
BshNI	G!GYRCC	4	193; 253; 1678; 3071
BshTI	A!CCGGT	0	
BshVI	AT!CGAT	0	
BsiEI	CGRY!CG	3	2570; 3493; 3642
BsiHKAI	GWGCW!C	5	223; 2050; 2548; 3709; 3794
BsiHKCI	C!YCGRG	1	1
BsiSI	C!CGG	16	713; 931; 1167; 1209; 1337; 1876; 1910; 2437; 2584; 2610; 2800; 3204; 3238; 3305; 3415; 3657
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	11	250; 363; 529; 726; 738; 1444; 1881; 2252; 2270; 2436; 2715
BsIFI	GGGACNNNNNNNNNN!	0	
BsIFI	!NNNNNNNNNNNNNGTCCC	0	
BsmI	GAATGCN!	2	1205; 1612
BsmI	G!CATTC	0	
BsmAI	GTCTCN!	2	1436; 3960
BsmAI	!NNNNNGAGAC	3	760; 1873; 3184
BsmBI	CGTCTCN!	1	1436
BsmBI	!NNNNNGAGACG	1	1873
BsmFI	GGGACNNNNNNNNNN!	0	
BsmFI	!NNNNNNNNNNNNNGTCCC	0	
BsnI	GG!CC	22	290; 533; 568; 602; 611; 617; 625; 757; 799; 1125; 1170; 1392; 1479; 1756; 2245; 2256; 2274; 2708; 3166; 3246; 3513; 4100
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	2	760; 3184
BsoBI	C!YCGRG	1	1
Bsp13I	T!CCGGA	1	1208
Bsp19I	C!CATGG	3	131; 612; 1513
Bsp24I	GACNNNNNTGGNNNNNNNNNNNN!	2	2755; 2933
Bsp24I	!NNNNNNCCANNNNNGTC	1	4027
Bsp24I	CCANNNNNGTCNNNNNNNNNNNN!	1	4059
Bsp24I	!NNNNNNNGACNNNNNTGG	2	2723; 2901
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	0	
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
Bsp1286I	GDGCH!C	9	196; 223; 256; 833; 1683; 2050; 2548; 3709; 3794
Bsp1407I	T!GTACA	1	182
Bsp1720I	GC!TNAGC	1	852

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BspACI	C!CGC	24	452; 590; 692; 928; 1190; 1554; 1810; 1813; 2070; 2096; 2113; 2275; 2303; 2430; 2449; 2570; 2815; 3186; 3277; 3514; 3679; 3756; 3865; 4011
BspACI	G!CGG	20	36; 68; 287; 599; 641; 1648; 1903; 1942; 1952; 1994; 2019; 2057; 2156; 2163; 2184; 2680; 2824; 3468; 3635; 3964
BspCNI	CTCAGNNNNNNNN!	6	902; 1446; 1752; 2518; 2927; 3093
BspCNI	!NNNNNNNCTGAG	6	390; 596; 844; 1787; 2032; 3612
BspDI	AT!CGAT	0	
BspD6I	GA CTCNNNN!	4	869; 1711; 2138; 3126
BspD6I	!NNNNNNNGAGTC	1	2594
BspEI	T!CCGGA	1	1208
BspFNI	CG!CG	8	1831; 1833; 1936; 2277; 2858; 3188; 3681; 4013
BspHI	T!CATGA	3	2950; 3958; 4063
BspLI	GGN!NCC	11	129; 195; 255; 1680; 2262; 2301; 3073; 3167; 3208; 3419; 4009
BspMI	ACCTGCNNNN!	1	659
BspMI	!NNNNNNNNGCAGGT	0	
BspOI	GCTAG!C	1	964
BspPI	GGATCNNNN!	4	129; 2879; 2976; 3756
BspPI	!NNNNNGATCC	8	122; 674; 869; 2791; 2877; 2975; 3439; 3760
BspQI	GCTCTTCN!	1	2114
BspQI	!NNNNGAAGAGC	0	
BspTI	C!TTAAG	0	
BspT104I	TT!CGAA	0	
BspT107I	G!GYRCC	4	193; 253; 1678; 3071
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	2	760; 3184
BsrI	ACTGGN!	8	743; 830; 1019; 1756; 2010; 2638; 2651; 3599
BsrI	C!CAGT	8	878; 1459; 1977; 2763; 3169; 3287; 3330; 3769
BsrBI	CCG!CTC	1	1815
BsrBI	GAG!CGG	4	36; 68; 2163; 3964
BsrDI	GCAATGNN!	2	1231; 3184
BsrDI	!CATTGC	1	3358
BsrFI	R!CCGGY	1	3203
BsrGI	T!GTACA	1	182
BsrSI	ACTGGN!	8	743; 830; 1019; 1756; 2010; 2638; 2651; 3599
BsrSI	C!CAGT	8	878; 1459; 1977; 2763; 3169; 3287; 3330; 3769
BssAI	R!CCGGY	1	3203
BssECI	C!CNNGG	10	131; 227; 362; 458; 612; 1443; 1444; 1513; 1692; 2390
BssHII	G!CGCGC	0	
BssKI	!CCNGG	16	314; 362; 458; 711; 930; 1387; 1443; 1691; 1874; 1909; 2256; 2377; 2390; 2608; 3304; 3655
BssMI	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
BssNI	GR!CGYC	2	3660; 4042
BssNAI	GTA!TAC	1	2003
BssSI	C!ACGAG	2	784; 4094
BssSI	C!TCGTG	3	634; 2403; 3787
BssTII	C!CWWGG	3	131; 612; 1513
Bst6I	CTCTTCN!	2	2114; 3918
Bst6I	!NNNNGAAGAG	0	
Bst98I	C!TTAAG	0	
Bst1107I	GTA!TAC	1	2003
BstACI	GR!CGYC	2	3660; 4042
BstAFI	C!TTAAG	0	
BstAPI	GCANNNN!NTGC	1	2054
BstAUI	T!GTACA	1	182
BstBI	TT!CGAA	0	
Bst2BI	C!ACGAG	2	784; 4094
Bst2BI	C!TCGTG	3	634; 2403; 3787
BstBAI	YAC!GTR	1	1984
Bst4CI	ACN!GT	16	182; 198; 1028; 1106; 1139; 1236; 1277; 1380; 1627; 1849; 1884; 2194; 2265; 2735; 3048; 3563
BstC8I	GCN!NGC	12	151; 241; 445; 570; 962; 1190; 1558; 2161; 2247; 2284; 2844; 3235
BstDEI	C!TNAG	15	398; 604; 695; 852; 889; 985; 1433; 1739; 1795; 2040; 2505; 2914; 3080; 3620; 4046

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstDSI	C!CRYGG	3	131; 612; 1513
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	1	1911
BstF5I	!CATCC	8	223; 311; 368; 523; 1205; 3102; 3283; 3570
BstFNI	CG!CG	8	1831; 1833; 1936; 2277; 2858; 3188; 3681; 4013
BstH2I	RGCGC!Y	2	2108; 2478
BstHHI	GCG!C	14	1833; 1936; 1966; 2107; 2140; 2410; 2477; 2577; 2751; 2860; 3253; 3346; 3683; 4015
BstKTI	GAT!C	20	124; 130; 158; 272; 506; 682; 877; 2799; 2874; 2885; 2893; 2971; 2983; 3088; 3429; 3447; 3493; 3751; 3768; 3804
BstMAI	GTCTCN!	2	1436; 3960
BstMAI	!NNNNNGAGAC	3	760; 1873; 3184
BstMBI	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
BstMCI	CGRY!CG	3	2570; 3493; 3642
BstMWI	GCNNNNN!NNGC	12	33; 608; 848; 966; 990; 1553; 2054; 2104; 2169; 2283; 2855; 3243
BstNI	CC!WGG	9	316; 364; 460; 1389; 1445; 1693; 2258; 2379; 2392
BstNSI	RCATG!Y	3	171; 1869; 2234
BstOI	CC!WGG	9	316; 364; 460; 1389; 1445; 1693; 2258; 2379; 2392
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	1	772
BstSCI	!CCNGG	16	314; 362; 458; 711; 930; 1387; 1443; 1691; 1874; 1909; 2256; 2377; 2390; 2608; 3304; 3655
BstSFI	C!TRYAG	3	2495; 2686; 3364
BstSLI	GKGC!C	8	196; 223; 256; 833; 1683; 2050; 2548; 3794
BstSNI	TAC!GTA	0	
BstUI	CG!CG	8	1831; 1833; 1936; 2277; 2858; 3188; 3681; 4013
Bst2UI	CC!WGG	9	316; 364; 460; 1389; 1445; 1693; 2258; 2379; 2392
BstVII	GCAGCNNNNNNNN!	7	350; 792; 1881; 1978; 2649; 2858; 3552
BstVII	!NNNNNNNNNNNGCTGC	7	469; 1810; 2122; 2140; 2559; 3098; 3161
BstV2I	GAAGACNN!	1	440
BstV2I	!NNNNNNGTCTTC	1	4101
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	9	127; 679; 874; 2871; 2882; 2968; 2980; 3748; 3765
BstYI	R!GATCY	9	127; 679; 874; 2871; 2882; 2968; 2980; 3748; 3765
BstZI	C!GGCCG	0	
BstZ17I	GTA!TAC	1	2003
BsuI	GTATCCNNNNNN!	0	
BsuI	!NNNNNNGGATAC	2	2433; 3960
Bsu15I	AT!CGAT	0	
Bsu36I	CC!TNAGG	1	398
BsuRI	GG!CC	22	290; 533; 568; 602; 611; 617; 625; 757; 799; 1125; 1170; 1392; 1479; 1756; 2245; 2256; 2274; 2708; 3166; 3246; 3513; 4100
BsuTUI	AT!CGAT	0	
BtgI	C!CRYGG	3	131; 612; 1513
BtgZI	GCGATGNNNNNNNNNN!	1	1648
BtgZI	!NNNNNNNNNNNNNNNCATCGC	1	1291
BthCI	GCNG!C	26	290; 341; 485; 602; 783; 930; 1556; 1815; 1826; 1872; 1969; 2022; 2138; 2159; 2277; 2432; 2575; 2640; 2643; 2849; 3114; 3177; 3516; 3543; 3638; 3867
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	1	3523
BtsI	!CACTGC	2	654; 3543
BtsCI	GGATGNN!	1	1911
BtsCI	!CATCC	8	223; 311; 368; 523; 1205; 3102; 3283; 3570
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	1	659
BveI	!NNNNNNNNGCAGGT	0	
Cac8I	GCN!NGC	12	151; 241; 445; 570; 962; 1190; 1558; 2161; 2247; 2284; 2844; 3235
CaiI	CAGNNN!CTG	1	2646
CciI	T!CATGA	3	2950; 3958; 4063

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CciNI	GC!GGCCGC	0	
CdiI	CATC!G	3	1050; 1309; 3374
CdiI	C!GATG	2	1634; 3775
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	2019
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	1	2282
CelII	GC!TNAGC	1	852
CfoI	GCG!C	14	1833; 1936; 1966; 2107; 2140; 2410; 2477; 2577; 2751; 2860; 3253; 3346; 3683; 4015
CfrI	Y!GGCCR	4	615; 797; 1477; 3511
Cfr9I	C!CCGGG	0	
Cfr10I	R!CCGGY	1	3203
Cfr13I	G!GNCC	10	289; 532; 624; 729; 1754; 3165; 3244; 3261; 3483; 4099
Cfr42I	CCGC!GG	0	
ChaI	GATC!	20	125; 131; 159; 273; 507; 683; 878; 2800; 2875; 2886; 2894; 2972; 2984; 3089; 3430; 3448; 3494; 3752; 3769; 3805
CjeI	CCANNNNNNGTNNNNNNNNNNNNNNNN!	6	156; 235; 2076; 2282; 2837; 4060
CjeI	!NNNNNNNNNACNNNNNNNTGG	5	170; 885; 2723; 2801; 2901
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	5	204; 919; 2757; 2835; 2935
CjeI	!NNNNNNNNNCCANNNNNNNGT	6	122; 201; 2042; 2248; 2803; 4026
CjePI	CCANNNNNNNTCNNNNNNNNNNNNNN!	2	2788; 4060
CjePI	!NNNNNNNNNGANNNNNNNTGG	6	119; 597; 2723; 2901; 3021; 3493
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	6	152; 630; 2756; 2934; 3054; 3526
CjePI	!NNNNNNNCCANNNNNNNTC	2	2755; 4027
Clai	AT!CGAT	0	
CpoI	CG!GWCCG	0	
CseI	GACGCNNNNN!	2	2341; 2919
CseI	!NNNNNNNNNNGCGTC	2	1925; 3649
CsiI	A!CCWGGT	0	
CspI	CG!GWCCG	0	
Csp6I	G!TAC	8	183; 333; 585; 804; 1090; 1628; 2037; 3602
Csp45I	TT!CGAA	0	
CspAI	A!CCGGT	0	
CspCI	CAANNNNNGTGGNNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNNCAANNNNNNGTGG	0	
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNNN!	2	776; 2109
CstMI	!NNNNNNNNNNNNNNNNNNNNCTCCTT	1	3457
CviAII	C!ATG	22	132; 168; 174; 186; 264; 330; 410; 613; 1284; 1514; 1575; 1596; 1866; 1971; 2231; 2951; 3442; 3452; 3530; 3566; 3959; 4064
CviJI	RG!CY	75	153; 243; 290; 319; 326; 346; 404; 470; 482; 533; 560; 568; 602; 611; 617; 625; 633; 647; 716; 757; 793; 799; 836; 842; 851; 856; 960; 964; 984; 993; 1112; 1125; 1170; 1241; 1392; 1437; 1479; 1591; 1712; 1738; 1756; 1823; 1872; 1891; 1924; 1969; 2009; 2153; 2172; 2245; 2256; 2274; 2300; 2398; 2534; 2539; 2564; 2643; 2708; 2719; 2762; 2791; 3111; 3154; 3166; 3207; 3233; 3237; 3246; 3312; 3402; 3412; 3475; 3513; 4100
CviKI-1	RG!CY	75	153; 243; 290; 319; 326; 346; 404; 470; 482; 533; 560; 568; 602; 611; 617; 625; 633; 647; 716; 757; 793; 799; 836; 842; 851; 856; 960; 964; 984; 993; 1112; 1125; 1170; 1241; 1392; 1437; 1479; 1591; 1712; 1738; 1756; 1823; 1872; 1891; 1924; 1969; 2009; 2153; 2172; 2245; 2256; 2274; 2300; 2398; 2534; 2539; 2564; 2643; 2708; 2719; 2762; 2791; 3111; 3154; 3166; 3207; 3233; 3237; 3246; 3312; 3402; 3412; 3475; 3513; 4100
CviQI	G!TAC	8	183; 333; 585; 804; 1090; 1628; 2037; 3602
DdeI	C!TNAG	15	398; 604; 695; 852; 889; 985; 1433; 1739; 1795; 2040; 2505; 2914; 3080; 3620; 4046
DinI	GGC!GCC	0	
DpnI	GA!TC	20	123; 129; 157; 271; 505; 681; 876; 2798; 2873; 2884; 2892; 2970; 2982; 3087; 3428; 3446; 3492; 3750; 3767; 3803
DpnII	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
DraI	TTT!AAA	5	1132; 1471; 2989; 3008; 3700
DraII	RG!GNCCY	1	4099
DraIII	CACNN!GTG	1	726
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	1	827

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DraRI	!NNNNNNNNNNNNNNNNNGTNCCTTG	1	2674
DrdI	GACNNN!NNGTC	2	1925; 2338
DrdIV	TACGACNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	0	
DriI	GACNNN!NNGTC	1	3123
DseDI	GACNNN!NNGTC	2	1925; 2338
EaeI	Y!GGCCR	4	615; 797; 1477; 3511
EagI	C!GGCCG	0	
Eam1104I	CTCTCN!	2	2114; 3918
Eam1104I	!NNNNGAAGAG	0	
Eam1105I	GACNNN!NNGTC	1	3123
EarI	CTCTCN!	2	2114; 3918
EarI	!NNNNGAAGAG	0	
EciI	GGCGANNNNNNNNNN!	0	
EciI	!NNNNNNNNNTCCGCC	4	1799; 2292; 2438; 3266
Ecl136II	GAG!CTC	0	
EclXI	C!GGCCG	0	
Eco24I	GRGCY!C	0	
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	2	760; 3184
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	3	729; 3261; 3483
Eco47III	AGC!GCT	0	
Eco52I	C!GGCCG	0	
Eco57I	CTGAAGNNNNNNNNNNNNNN!	3	649; 858; 2778
Eco57I	!NNNNNNNNNNNNNCTTCAG	1	3790
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	1	398
Eco88I	C!YCGRG	1	1
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	0	
Eco130I	C!CWWGG	3	131; 612; 1513
Eco147I	AGG!CCT	0	
EcoHI	!CCSGG	7	711; 930; 1874; 1909; 2608; 3304; 3655
EcoICRI	GAG!CTC	0	
Eco57MI	CTGRAGNNNNNNNNNNNNNN!	4	649; 858; 1334; 2778
Eco57MI	!NNNNNNNNNNNNNCTYCAG	3	457; 3193; 3790
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	1	4099
EcoRI	G!AATC	0	
EcoRII	!CCWGG	9	314; 362; 458; 1387; 1443; 1691; 2256; 2377; 2390
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	3	131; 612; 1513
EcoT22I	ATGCA!T	0	
EcoT38I	GRGCY!C	0	
Eco53kI	GAG!CTC	0	
EgeI	GGC!GCC	0	
EheI	GGC!GCC	0	
ErhI	C!CWWGG	3	131; 612; 1513
EsaBC3I	TC!GA	7	3; 282; 309; 777; 1745; 2331; 3775
Esp3I	CGTCTCN!	1	1436
Esp3I	!NNNNNGAGACG	1	1873
FaeI	CATG!	22	135; 171; 177; 189; 267; 333; 413; 616; 1287; 1517; 1578; 1599; 1869; 1974; 2234; 2954; 3445; 3455; 3533; 3569; 3962; 4067
Fail	YA!TR	56	12; 49; 115; 133; 169; 175; 187; 265; 331; 411; 429; 614; 675; 1021; 1035; 1096; 1221; 1250; 1285; 1353; 1355; 1422; 1485; 1515; 1528; 1576; 1597; 1867; 1972; 2003; 2017; 2053; 2055; 2232; 2296; 2369; 2674; 2952; 3024; 3026; 3028; 3108; 3399; 3443; 3453; 3531; 3537; 3550; 3567; 3633; 3688; 3909; 3960; 3972; 4065; 4078
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	1	408
FalI	!NNNNNNNNAAGNNNNNCTT	1	376
FaqI	GGGACNNNNNNNNNN!	0	
FaqI	!NNNNNNNNNNNNNGTCCC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FatI	!CATG	22	131; 167; 173; 185; 263; 329; 409; 612; 1283; 1513; 1574; 1595; 1865; 1970; 2230; 2950; 3441; 3451; 3529; 3565; 3958; 4063
FauI	CCCGCNNNN!	3	597; 699; 1197
FauI	!NNNNNNGCGGG	3	634; 1641; 1935
FauNDI	CA!TATG	1	2053
FbaI	T!GATCA	1	155
FblI	GT!MKAC	1	2002
FmuI	GGNC!C	10	292; 535; 627; 732; 1757; 3168; 3247; 3264; 3486; 4102
Fnu4HI	GC!NGC	26	288; 339; 483; 600; 781; 928; 1554; 1813; 1824; 1870; 1967; 2020; 2136; 2157; 2275; 2430; 2573; 2638; 2641; 2847; 3112; 3175; 3514; 3541; 3636; 3865
FokI	GGATGNNNNNNNN!	1	1918
FokI	!NNNNNNNNNNNNNNCATCC	8	210; 298; 355; 510; 1192; 3089; 3270; 3557
FriOI	GRGCY!C	0	
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3345
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	7	818; 961; 1709; 1818; 2725; 2978; 3313
FspEI	CCNNNNNNNNNNNN!	123	13; 144; 174; 210; 240; 257; 271; 304; 318; 336; 360; 375; 405; 438; 465; 480; 499; 535; 582; 601; 616; 631; 664; 684; 704; 725; 745; 771; 813; 829; 878; 901; 941; 969; 1037; 1052; 1106; 1139; 1180; 1202; 1222; 1278; 1296; 1338; 1401; 1451; 1472; 1493; 1514; 1567; 1592; 1608; 1695; 1770; 1807; 1823; 1840; 1870; 1888; 1923; 1938; 1983; 2064; 2083; 2109; 2126; 2213; 2259; 2277; 2307; 2321; 2370; 2391; 2414; 2428; 2443; 2457; 2472; 2543; 2566; 2583; 2597; 2618; 2644; 2722; 2776; 2813; 2828; 2899; 2990; 3066; 3088; 3119; 3135; 3172; 3199; 3217; 3243; 3260; 3277; 3293; 3318; 3343; 3371; 3428; 3461; 3491; 3527; 3583; 3623; 3655; 3669; 3692; 3769; 3796; 3839; 3878; 3930; 4024; 4038; 4067; 4088; 4114
FspEI	!NNNNNNNNNNNNNNNGG	120	21; 53; 85; 104; 122; 172; 214; 235; 259; 301; 320; 349; 385; 422; 445; 464; 494; 515; 542; 584; 607; 626; 698; 724; 775; 811; 843; 887; 906; 930; 951; 972; 1000; 1028; 1050; 1098; 1152; 1194; 1219; 1298; 1322; 1353; 1374; 1430; 1461; 1500; 1519; 1542; 1573; 1625; 1651; 1678; 1701; 1720; 1738; 1765; 1785; 1823; 1861; 1888; 1915; 1934; 1979; 2004; 2042; 2069; 2087; 2127; 2148; 2166; 2194; 2227; 2256; 2282; 2330; 2364; 2422; 2448; 2483; 2502; 2520; 2569; 2595; 2619; 2639; 2662; 2687; 2714; 2758; 2785; 2803; 2854; 2886; 2923; 2951; 3023; 3054; 3131; 3189; 3223; 3244; 3290; 3352; 3379; 3400; 3453; 3495; 3516; 3580; 3620; 3642; 3700; 3731; 3820; 3839; 3858; 3930; 3949; 3988; 4070
Fsp4HI	GC!NGC	26	288; 339; 483; 600; 781; 928; 1554; 1813; 1824; 1870; 1967; 2020; 2136; 2157; 2275; 2430; 2573; 2638; 2641; 2847; 3112; 3175; 3514; 3541; 3636; 3865
GdiII	C!GGCCR	0	
GdiII	Y!GGCCG	1	3511
GlaI	GC!GC	14	1832; 1935; 1965; 2106; 2139; 2409; 2476; 2576; 2750; 2859; 3252; 3345; 3682; 4014
GluI	GC!NGC	26	288; 339; 483; 600; 781; 928; 1554; 1813; 1824; 1870; 1967; 2020; 2136; 2157; 2275; 2430; 2573; 2638; 2641; 2847; 3112; 3175; 3514; 3541; 3636; 3865
GsaI	CCCAG!C	0	
GsaI	GCTGG!G	2	564; 2538
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	1334
GsuI	!NNNNNNNNNNNNNNCTCCAG	2	457; 3193
HaeI	WGG!CCW	9	568; 611; 617; 799; 1392; 1479; 2245; 2256; 2708
HaeII	RGCGC!Y	2	2108; 2478
HaeIII	GG!CC	22	290; 533; 568; 602; 611; 617; 625; 757; 799; 1125; 1170; 1392; 1479; 1756; 2245; 2256; 2274; 2708; 3166; 3246; 3513; 4100
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNNN!	1	3142
HaeIV	!NNNNNNNNNGAYNNNNNRTC	1	3108
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNNN!	1	3141
HaeIV	!NNNNNNNGAYNNNNNRTC	1	3110
HapII	C!CGG	16	713; 931; 1167; 1209; 1337; 1876; 1910; 2437; 2584; 2610; 2800; 3204; 3238; 3305; 3415; 3657
HgaI	GACGCNNNNN!	2	2341; 2919

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HgaI	!NNNNNNNNNNNGCGTC	2	1925; 3649
HhaI	GCG!C	14	1833; 1936; 1966; 2107; 2140; 2410; 2477; 2577; 2751; 2860; 3253; 3346; 3683; 4015
Hin1I	GR!CGYC	2	3660; 4042
Hin1II	CATG!	22	135; 171; 177; 189; 267; 333; 413; 616; 1287; 1517; 1578; 1599; 1869; 1974; 2234; 2954; 3445; 3455; 3533; 3569; 3962; 4067
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1219; 3141; 3215
Hin4I	!NNNNNNNNNGABNNNNNNRTC	1	3109
Hin4I	GABNNNNNRTCNNNNNNNNNNNN!	1	3141
Hin4I	!NNNNNNNNNGAYNNNNNVTC	3	1187; 3109; 3183
Hin6I	G!CGC	14	1831; 1934; 1964; 2105; 2138; 2408; 2475; 2575; 2749; 2858; 3251; 3344; 3681; 4013
HinP1I	G!CGC	14	1831; 1934; 1964; 2105; 2138; 2408; 2475; 2575; 2749; 2858; 3251; 3344; 3681; 4013
HincII	GTY!RAC	0	
HindII	GTY!RAC	0	
HindIII	A!AGCTT	1	840
HinfI	G!ANTC	11	55; 419; 746; 861; 952; 1562; 1703; 2130; 2205; 2601; 3118
HpaI	GTT!AAC	0	
HpaII	C!CGG	16	713; 931; 1167; 1209; 1337; 1876; 1910; 2437; 2584; 2610; 2800; 3204; 3238; 3305; 3415; 3657
HphI	GGTGANNNNNNNN!	10	151; 525; 959; 1248; 1392; 1460; 1794; 1852; 3609; 3850
HphI	!NNNNNNNTCACC	9	150; 414; 1254; 1448; 1502; 2966; 3193; 3815; 4104
Hpy8I	GTN!NAC	11	201; 221; 516; 729; 1262; 1785; 2003; 2048; 2546; 3034; 3792
Hpy99I	CGWCG!	5	778; 1332; 2335; 3129; 3392
Hpy166II	GTN!NAC	11	201; 221; 516; 729; 1262; 1785; 2003; 2048; 2546; 3034; 3792
Hpy188I	TCN!GA	13	228; 892; 914; 1861; 2027; 2344; 2422; 2775; 2909; 3044; 3490; 3501; 3621
Hpy188III	TC!NNGA	22	3; 125; 474; 501; 666; 705; 902; 979; 1209; 1313; 1794; 1818; 2464; 2598; 2696; 2794; 2877; 2951; 3210; 3959; 4064; 4094
HpyAV	CCTTCNNNNNN!	6	309; 357; 402; 2470; 2780; 3488
HpyAV	!NNNNNGAAGG	4	229; 2722; 3235; 3847
HpyCH4III	ACN!GT	16	182; 198; 1028; 1106; 1139; 1236; 1277; 1380; 1627; 1849; 1884; 2194; 2265; 2735; 3048; 3563
HpyCH4IV	A!CGT	9	497; 773; 1299; 1474; 1983; 2933; 3349; 3722; 4042
HpyCH4V	TG!CA	13	171; 221; 543; 654; 1869; 2048; 2546; 2842; 3177; 3267; 3460; 3548; 3792
HpyF3I	C!TNAG	15	398; 604; 695; 852; 889; 985; 1433; 1739; 1795; 2040; 2505; 2914; 3080; 3620; 4046
HpyF10VI	GCNNNNN!NNGC	12	33; 608; 848; 966; 990; 1553; 2054; 2104; 2169; 2283; 2855; 3243
Hsp92I	GR!CGYC	2	3660; 4042
Hsp92II	CATG!	22	135; 171; 177; 189; 267; 333; 413; 616; 1287; 1517; 1578; 1599; 1869; 1974; 2234; 2954; 3445; 3455; 3533; 3569; 3962; 4067
HspAI	G!CGC	14	1831; 1934; 1964; 2105; 2138; 2408; 2475; 2575; 2749; 2858; 3251; 3344; 3681; 4013
KasI	G!GCGCC	0	
KflI	GG!GWCCC	0	
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	1	1208
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	1	155
KspAI	GTT!AAC	0	
Kzo9I	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
LguI	GCTCTCN!	1	2114
LguI	!NNNNGAAGAGC	0	
LpnI	RGC!GCGY	2	2106; 2476
LpnPI	CCDGNNNNNNNNN!	49	271; 328; 376; 410; 472; 487; 548; 582; 616; 631; 664; 726; 878; 944; 1113; 1180; 1206; 1222; 1350; 1401; 1457; 1472; 1705; 1807; 1889; 1923; 1990; 2259; 2323; 2391; 2428; 2450; 2597; 2623; 2776; 2813; 3128; 3182; 3217; 3243; 3277; 3300; 3318; 3343; 3428; 3670; 3782; 3839; 4051

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
LpnPI	!NNNNNNNNNNNNNNCHGG	51	301; 349; 445; 546; 698; 724; 811; 887; 916; 964; 1000; 1098; 1152; 1194; 1227; 1298; 1322; 1374; 1430; 1542; 1629; 1678; 1737; 1861; 1895; 1915; 1991; 2087; 2194; 2243; 2268; 2347; 2377; 2422; 2520; 2569; 2595; 2619; 2639; 2785; 2803; 3148; 3189; 3223; 3290; 3352; 3400; 3580; 3642; 3820; 3930
Lsp1109I	GCAGCNNNNNNNN!	7	350; 792; 1881; 1978; 2649; 2858; 3552
Lsp1109I	!NNNNNNNNNNNNNGCTGC	7	469; 1810; 2122; 2140; 2559; 3098; 3161
LweI	GCATCNNNNNN!	8	377; 1055; 1728; 2031; 2107; 2327; 3379; 3819
LweI	!NNNNNNNNNNNGATGC	7	530; 569; 698; 1540; 1896; 2067; 3570
MabI	A!CCWGGT	0	
MaeI	C!TAG	7	818; 961; 1709; 1818; 2725; 2978; 3313
MaeII	A!CGT	9	497; 773; 1299; 1474; 1983; 2933; 3349; 3722; 4042
MaeIII	!GTNAC	12	1269; 1374; 1884; 1979; 2586; 2649; 2765; 3048; 3379; 3437; 3590; 3778
MalI	GA!TC	20	123; 129; 157; 271; 505; 681; 876; 2798; 2873; 2884; 2892; 2970; 2982; 3087; 3428; 3446; 3492; 3750; 3767; 3803
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	0	
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	0	
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	1	1815
MbiI	GAG!CGG	4	36; 68; 2163; 3964
MboI	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
MboII	GAAGANNNNNNNNN!	4	279; 445; 558; 2892
MboII	!NNNNNNNTCTTC	7	1487; 2101; 2963; 3718; 3796; 3905; 4101
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	59
MflI	R!GATCY	9	127; 679; 874; 2871; 2882; 2968; 2980; 3748; 3765
MhlI	GDGCH!C	9	196; 223; 256; 833; 1683; 2050; 2548; 3709; 3794
MlsI	TGG!CCA	3	617; 799; 1479
MluI	A!CGCGT	0	
MluNI	TGG!CCA	3	617; 799; 1479
MlyI	GAGTCNNNNNN!	1	2610
MlyI	!NNNNNGACTC	4	855; 1697; 2124; 3112
Mly113I	GG!CGCC	0	
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	3	551; 2445; 2629
MmeI	!NNNNNNNNNNNNNNNNNNNGTYGGA	0	
MnI	CCTCNNNNNNNN!	14	10; 302; 481; 496; 673; 712; 823; 898; 1837; 1867; 2129; 2412; 3290; 3496
MnI	!NNNNNNNGAGG	18	93; 112; 135; 183; 222; 243; 276; 393; 558; 601; 747; 1058; 1709; 2338; 2662; 3062; 3143; 4090
Mph1103I	ATGCA!T	0	
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	1208
MroNI	G!CCGGC	0	
MroXI	GAANN!NNTTC	1	3722
MscI	TGG!CCA	3	617; 799; 1479
MseI	T!TAA	19	95; 109; 383; 844; 1131; 1470; 1612; 1664; 1685; 2011; 2936; 2988; 2993; 3007; 3060; 3295; 3334; 3699; 4071
MslI	CAYNN!NNRTG	5	172; 577; 3375; 3534; 3893
MspI	C!CGG	16	713; 931; 1167; 1209; 1337; 1876; 1910; 2437; 2584; 2610; 2800; 3204; 3238; 3305; 3415; 3657
Msp20I	TGG!CCA	3	617; 799; 1479
MspA1I	CMG!CKG	9	592; 599; 836; 1112; 1556; 1942; 2572; 2817; 3758
MspCI	C!TTAAG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	CNNRNNNNNNNNNN!	203	13; 49; 81; 94; 137; 162; 180; 198; 228; 246; 261; 276; 294; 327; 342; 370; 385; 409; 422; 438; 456; 470; 486; 499; 513; 534; 547; 568; 581; 601; 615; 630; 646; 663; 676; 690; 703; 717; 738; 751; 770; 789; 812; 829; 844; 864; 877; 890; 903; 925; 943; 968; 982; 997; 1027; 1051; 1096; 1112; 1125; 1151; 1167; 1191; 1205; 1221; 1254; 1279; 1296; 1325; 1338; 1362; 1384; 1400; 1413; 1445; 1471; 1487; 1515; 1532; 1545; 1560; 1578; 1608; 1623; 1656; 1696; 1721; 1735; 1751; 1764; 1806; 1830; 1844; 1872; 1887; 1904; 1922; 1937; 1955; 1972; 1988; 2007; 2022; 2038; 2052; 2083; 2109; 2132; 2153; 2172; 2185; 2213; 2231; 2251; 2269; 2288; 2307; 2322; 2336; 2350; 2364; 2390; 2403; 2417; 2433; 2449; 2476; 2494; 2517; 2542; 2559; 2577; 2591; 2610; 2631; 2646; 2659; 2675; 2701; 2721; 2737; 2769; 2786; 2806; 2820; 2855; 2869; 2887; 2914; 2936; 2963; 2989; 3029; 3049; 3065; 3087; 3119; 3135; 3159; 3175; 3199; 3212; 3242; 3259; 3276; 3299; 3317; 3342; 3357; 3379; 3394; 3427; 3442; 3462; 3501; 3527; 3540; 3561; 3578; 3607; 3622; 3654; 3668; 3681; 3697; 3720; 3742; 3755; 3781; 3795; 3808; 3838; 3856; 3870; 3901; 3918; 3957; 3971; 4011; 4024; 4037; 4050; 4076; 4101
MspJI	!NNNNNNNNNNNNYNG	170	10; 49; 100; 118; 136; 154; 172; 202; 226; 244; 268; 287; 309; 349; 370; 396; 416; 445; 487; 521; 542; 562; 589; 613; 637; 670; 691; 710; 736; 758; 781; 804; 834; 851; 876; 893; 917; 935; 952; 972; 1001; 1048; 1086; 1107; 1137; 1171; 1194; 1224; 1253; 1270; 1298; 1322; 1344; 1363; 1401; 1420; 1445; 1470; 1489; 1515; 1543; 1561; 1582; 1618; 1635; 1662; 1679; 1699; 1726; 1746; 1766; 1786; 1804; 1823; 1845; 1862; 1882; 1907; 1925; 1945; 1963; 1992; 2011; 2040; 2065; 2087; 2106; 2123; 2141; 2177; 2194; 2217; 2243; 2262; 2283; 2301; 2324; 2343; 2364; 2389; 2406; 2423; 2448; 2477; 2496; 2517; 2542; 2560; 2584; 2605; 2633; 2654; 2682; 2701; 2725; 2749; 2771; 2804; 2821; 2841; 2863; 2886; 2918; 2937; 2964; 3013; 3050; 3067; 3101; 3126; 3148; 3173; 3190; 3216; 3234; 3262; 3291; 3312; 3329; 3353; 3372; 3395; 3416; 3438; 3458; 3485; 3516; 3552; 3574; 3597; 3618; 3638; 3655; 3701; 3731; 3749; 3773; 3793; 3812; 3836; 3866; 3930; 3947; 3972; 3989; 4010; 4033; 4050; 4071; 4091
MspR9I	CC!NGG	16	316; 364; 460; 713; 932; 1389; 1445; 1693; 1876; 1911; 2258; 2379; 2392; 2610; 3306; 3657
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	59
MvaI	CC!WGG	9	316; 364; 460; 1389; 1445; 1693; 2258; 2379; 2392
MvaI269I	GAATGCN!	2	1205; 1612
MvaI269I	G!CATTC	0	
MvnI	CG!CG	8	1831; 1833; 1936; 2277; 2858; 3188; 3681; 4013
MvrI	CGAT!CG	1	3493
MwoI	GCNNNNN!NNGC	12	33; 608; 848; 966; 990; 1553; 2054; 2104; 2169; 2283; 2855; 3243
NaeI	GCC!GGC	0	
NarI	GG!CGCC	0	
NciI	CC!SGG	7	713; 932; 1876; 1911; 2610; 3306; 3657
NcoI	C!CATGG	3	131; 612; 1513
NdeI	CA!TATG	1	2053
NdeII	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	3	260; 3369; 3594
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	3	296; 3405; 3630
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	0	
NgoMIV	G!CCGGC	0	
NheI	G!CTAGC	1	960
NlaIII	CATG!	22	135; 171; 177; 189; 267; 333; 413; 616; 1287; 1517; 1578; 1599; 1869; 1974; 2234; 2954; 3445; 3455; 3533; 3569; 3962; 4067
NlaIV	GGN!NCC	11	129; 195; 255; 1680; 2262; 2301; 3073; 3167; 3208; 3419; 4009
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	1	2343
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	520; 1567; 1823
Nli3877I	CYCGR!G	1	5
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	1	3272
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	1	536

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NmeDI	RCCGGYNNNNNNN!	1	3215
NmeDI	!NNNNNNNNNNNNRCCGGY	1	3190
NmuCI	!GTSAC	4	1884; 1979; 3379; 3590
NotI	GC!GGCCGC	0	
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3345
NsiI	ATGCA!T	0	
NspI	RCATG!Y	3	171; 1869; 2234
NspV	TT!CGAA	0	
OliI	CACNN!NNGTG	0	
PabI	GTA!C	8	185; 335; 587; 806; 1092; 1630; 2039; 3604
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	0	
PaeR7I	C!TCGAG	1	1
PagI	T!CATGA	3	2950; 3958; 4063
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	2	363; 1444
PauI	G!CGCGC	0	
PceI	AGG!CCT	0	
PciI	A!CATGT	1	2230
PciSI	GCTCTCN!	1	2114
PciSI	!NNNNGAAGAGC	0	
PcsI	WCGNNNN!NNNCGW	4	782; 2156; 2554; 3431
PctI	GAATGCN!	2	1205; 1612
PctI	G!CATTG	0	
PdiI	GCC!GGC	0	
PdmI	GAANN!NNTTC	1	3722
PfeI	G!AWTC	6	55; 419; 746; 952; 1562; 2205
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	1977
PfIMI	CCANNNN!NTGG	3	726; 738; 1444
PfoI	T!CCNGGA	1	1874
PhoI	GG!CC	22	290; 533; 568; 602; 611; 617; 625; 757; 799; 1125; 1170; 1392; 1479; 1756; 2245; 2256; 2274; 2708; 3166; 3246; 3513; 4100
PinAI	A!CCGGT	0	
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNN!	2	2049; 2125
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	2	1174; 1528
PleI	GAGTCNNNN!	1	2609
PleI	!NNNNNGACTC	4	855; 1697; 2124; 3112
Ple19I	CGAT!CG	1	3493
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	2945
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	3755
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	3787
PpiI	!NNNNNNNGAACNNNNNCTC	1	2913
PpsI	GAGTCNNNN!	1	2609
PpsI	!NNNNNGACTC	4	855; 1697; 2124; 3112
Ppu10I	A!TGCAT	0	
Ppu21I	YAC!GTR	1	1984
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	2230
PshAI	GACNN!NNGTC	1	772
PshBI	AT!TAAT	1	3295
PsiI	TTA!TAA	1	49
Psp03I	GGWC!C	3	732; 3264; 3486
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	9	314; 362; 458; 1387; 1443; 1691; 2256; 2377; 2390
Psp1406I	AA!CGTT	3	1299; 3349; 3722
Psp124BI	GAGCT!C	0	
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	9	314; 362; 458; 1387; 1443; 1691; 2256; 2377; 2390

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	11	129; 195; 255; 1680; 2262; 2301; 3073; 3167; 3208; 3419; 4009
PspOMI	G!GGCCC	0	
PspOMII	CGCCARNNNNNNNNNNNNNNNNNNNNN!	0	
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	0	
PspPI	G!GNCC	10	289; 532; 624; 729; 1754; 3165; 3244; 3261; 3483; 4099
PspPPI	RG!GWCCY	0	
PspPRI	CCYCAGNNNNNNNNNNNNNNNN!	2	908; 3187
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	3	384; 812; 1679
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	1	4102
PstI	CTGCA!G	0	
PstNI	CAGNNN!CTG	1	2646
PsuI	R!GATCY	9	127; 679; 874; 2871; 2882; 2968; 2980; 3748; 3765
PsyI	GACN!NNGTC	1	1977
PteI	G!CGCGC	0	
PvuI	CGAT!CG	1	3493
PvuII	CAG!CTG	2	836; 1112
RcaI	T!CATGA	3	2950; 3958; 4063
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	0	
RceI	!NNNNNNNNNNNNNNNNNGTTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	0	
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	8	184; 334; 586; 805; 1091; 1629; 2038; 3603
RsaNI	G!TAC	8	183; 333; 585; 804; 1090; 1628; 2037; 3602
RseI	CAYNN!NNRTG	5	172; 577; 3375; 3534; 3893
RsrII	CG!GWCCG	0	
Rsr2I	CG!GWCCG	0	
SacI	GAGCT!C	0	
SacII	CCGC!GG	0	
SalI	G!TCGAC	0	
SapI	GCTTCN!	1	2114
SapI	!NNNNGAAGAGC	0	
SaqAI	T!TAA	19	95; 109; 383; 844; 1131; 1470; 1612; 1664; 1685; 2011; 2936; 2988; 2993; 3007; 3060; 3295; 3334; 3699; 4071
SatI	GC!NGC	26	288; 339; 483; 600; 781; 928; 1554; 1813; 1824; 1870; 1967; 2020; 2136; 2157; 2275; 2430; 2573; 2638; 2641; 2847; 3112; 3175; 3514; 3541; 3636; 3865
Sau96I	G!GNCC	10	289; 532; 624; 729; 1754; 3165; 3244; 3261; 3483; 4099
Sau3AI	!GATC	20	121; 127; 155; 269; 503; 679; 874; 2796; 2871; 2882; 2890; 2968; 2980; 3085; 3426; 3444; 3490; 3748; 3765; 3801
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	3	805; 1629; 3603
SchI	GAGTCNNNNN!	1	2610
SchI	!NNNNNGACTC	4	855; 1697; 2124; 3112
SciI	CTC!GAG	1	3
ScrFI	CC!NGG	16	316; 364; 460; 713; 932; 1389; 1445; 1693; 1876; 1911; 2258; 2379; 2392; 2610; 3306; 3657
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNN!	4	570; 1005; 3280; 3526
SdeAI	!NNNNNNNNNNNNNNNNNNCTYCTG	3	843; 1772; 2393
SdeOSI	GACNNNNRTGANNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNTCAYNNNNNGTC	1	3370
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	1	3404

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	0	
SduI	GDGCH!C	9	196; 223; 256; 833; 1683; 2050; 2548; 3709; 3794
SelI	!CGCG	8	1829; 1831; 1934; 2275; 2856; 3186; 3679; 4011
SetI	ASST!	56	2; 155; 278; 328; 500; 635; 653; 704; 772; 776; 815; 838; 844; 853; 858; 890; 962; 966; 986; 995; 1095; 1114; 1243; 1302; 1390; 1477; 1546; 1570; 1714; 1825; 1859; 1874; 1893; 1986; 2174; 2349; 2400; 2446; 2502; 2521; 2536; 2673; 2772; 2793; 2936; 2979; 3077; 3113; 3314; 3352; 3414; 3477; 3725; 4040; 4045; 4077
SexAI	A!CCWGGT	0	
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	8	377; 1055; 1728; 2031; 2107; 2327; 3379; 3819
SfaNI	!NNNNNNNNNGATGC	7	530; 569; 698; 1540; 1896; 2067; 3570
SfcI	C!TRYAG	3	2495; 2686; 3364
SfiI	GGCCNNNN!NGGCC	1	608
SfoI	GGC!GCC	0	
Sfr274I	C!TCGAG	1	1
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	0	
SgeI	CNNGNNNNNNNNN!	153	13; 137; 162; 180; 198; 228; 252; 270; 285; 327; 342; 375; 409; 422; 450; 471; 486; 513; 547; 568; 581; 601; 615; 630; 646; 663; 678; 696; 717; 738; 751; 789; 813; 830; 869; 890; 914; 932; 969; 982; 1027; 1112; 1125; 1169; 1197; 1221; 1254; 1279; 1296; 1325; 1338; 1374; 1400; 1456; 1471; 1487; 1515; 1545; 1569; 1587; 1608; 1656; 1704; 1721; 1764; 1806; 1830; 1844; 1878; 1904; 1922; 1937; 1955; 1972; 1989; 2018; 2114; 2132; 2153; 2172; 2221; 2243; 2258; 2288; 2322; 2350; 2369; 2390; 2403; 2417; 2438; 2456; 2476; 2503; 2543; 2559; 2577; 2596; 2610; 2631; 2646; 2659; 2680; 2708; 2737; 2775; 2806; 2830; 2855; 2869; 2889; 2914; 2944; 2963; 2990; 3049; 3127; 3140; 3159; 3175; 3199; 3216; 3242; 3260; 3276; 3299; 3317; 3342; 3379; 3394; 3427; 3442; 3464; 3542; 3578; 3607; 3623; 3655; 3668; 3681; 3742; 3757; 3781; 3799; 3838; 3862; 3901; 3957; 3971; 4024; 4050; 4076; 4106
SgeI	!NNNNNNNNNNNNNCNNG	132	111; 136; 154; 172; 202; 226; 244; 268; 301; 349; 383; 424; 445; 487; 521; 542; 562; 589; 613; 637; 670; 691; 712; 736; 763; 787; 804; 843; 864; 888; 906; 943; 965; 1001; 1086; 1143; 1171; 1195; 1228; 1253; 1270; 1299; 1323; 1348; 1374; 1430; 1461; 1489; 1519; 1543; 1561; 1582; 1630; 1678; 1695; 1738; 1780; 1804; 1852; 1878; 1896; 1916; 1939; 1957; 1992; 2088; 2106; 2127; 2146; 2195; 2217; 2243; 2262; 2296; 2324; 2343; 2364; 2389; 2412; 2430; 2450; 2477; 2517; 2542; 2570; 2595; 2620; 2640; 2682; 2711; 2749; 2780; 2804; 2829; 2863; 2888; 2918; 2937; 2964; 3023; 3101; 3133; 3155; 3173; 3190; 3216; 3234; 3273; 3291; 3316; 3353; 3372; 3401; 3421; 3438; 3516; 3552; 3581; 3629; 3655; 3716; 3755; 3773; 3812; 3836; 3875; 3931; 3998; 4024; 4050; 4080; 4102
Sgfl	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	1	2905
SimI	!GACCC	3	1973; 2422; 3191
SinI	G!GWCC	3	729; 3261; 3483
SlaI	C!TCGAG	1	1
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	5	172; 577; 3375; 3534; 3893
SmlI	C!TYRAG	8	1; 664; 703; 1713; 2336; 2598; 2875; 3743
SmoI	C!TYRAG	8	1; 664; 703; 1713; 2336; 2598; 2875; 3743
SmuI	CCCGCNNNN!	3	597; 699; 1197
SmuI	!NNNNNNGCGGG	3	634; 1641; 1935
SnaBI	TAC!GTA	0	
SpeI	A!CTAGT	0	
SphI	GCATG!C	0	
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	13	17; 44; 59; 76; 88; 106; 845; 1212; 1617; 1656; 2990; 3296; 3551

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	0	
SsiI	C!CGC	24	452; 590; 692; 928; 1190; 1554; 1810; 1813; 2070; 2096; 2113; 2275; 2303; 2430; 2449; 2570; 2815; 3186; 3277; 3514; 3679; 3756; 3865; 4011
SsiI	G!CGG	20	36; 68; 287; 599; 641; 1648; 1903; 1942; 1952; 1994; 2019; 2057; 2156; 2163; 2184; 2680; 2824; 3468; 3635; 3964
SspI	AAT!ATT	2	1524; 3927
SspDI	G!GCGCC	0	
SspD5I	GGTGANNNNNNNN!	10	151; 525; 959; 1248; 1392; 1460; 1794; 1852; 3609; 3850
SspD5I	!NNNNNNNNNTCACC	9	149; 413; 1253; 1447; 1501; 2965; 3192; 3814; 4103
SstI	GAGCT!C	0	
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN!	1	458
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	15	380; 596; 698; 719; 1196; 1510; 1882; 1932; 2364; 2563; 2572; 2616; 3130; 3663; 4031
Sth132I	!NNNNNNNNNCGGG	15	116; 429; 501; 633; 923; 1640; 1902; 1934; 1951; 2455; 2893; 3138; 3297; 3660; 3721
Sth302II	CC!GG	16	714; 932; 1168; 1210; 1338; 1877; 1911; 2438; 2585; 2611; 2801; 3205; 3239; 3306; 3416; 3658
StrI	C!TCGAG	1	1
StsI	GGATGNNNNNNNNNN!	1	1919
StsI	!NNNNNNNNNNNNNNNNNNCATCC	8	209; 297; 354; 509; 1191; 3088; 3269; 3556
StuI	AGG!CCT	0	
StyI	C!CWGGG	3	131; 612; 1513
StyD4I	!CCNGG	16	314; 362; 458; 711; 930; 1387; 1443; 1691; 1874; 1909; 2256; 2377; 2390; 2608; 3304; 3655
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	16	182; 198; 1028; 1106; 1139; 1236; 1277; 1380; 1627; 1849; 1884; 2194; 2265; 2735; 3048; 3563
TaiI	ACGT!	9	500; 776; 1302; 1477; 1986; 2936; 3352; 3725; 4045
TaqI	T!CGA	7	2; 281; 308; 776; 1744; 2330; 3774
TaqII	GACCGANNNNNNNNNNNN!	1	3656
TaqII	!NNNNNNNNNTCGGTC	2	2132; 3471
TaqII	CACCCANNNNNNNNNNNN!	3	271; 376; 3809
TaqII	!NNNNNNNNNTGGGTG	3	127; 1436; 3826
TasI	!AATT	13	17; 44; 59; 76; 88; 106; 845; 1212; 1617; 1656; 2990; 3296; 3551
TatI	W!GTACW	5	182; 803; 1627; 2036; 3601
TauI	GCSG!C	12	290; 602; 930; 1556; 1815; 2022; 2159; 2277; 2432; 3516; 3638; 3867
TfiI	G!AWTC	6	55; 419; 746; 952; 1562; 2205
TliI	C!TCGAG	1	1
Tru1I	T!TAA	19	95; 109; 383; 844; 1131; 1470; 1612; 1664; 1685; 2011; 2936; 2988; 2993; 3007; 3060; 3295; 3334; 3699; 4071
Tru9I	T!TAA	19	95; 109; 383; 844; 1131; 1470; 1612; 1664; 1685; 2011; 2936; 2988; 2993; 3007; 3060; 3295; 3334; 3699; 4071
TscAI	CASTGNN!	10	661; 1019; 2132; 2638; 2651; 2922; 3071; 3176; 3523; 3550
TseI	G!CWGC	15	338; 482; 780; 1823; 1869; 1966; 2135; 2153; 2572; 2637; 2640; 2846; 3111; 3174; 3540
TsoI	TARCCANNNNNNNNNNNN!	1	1113
TsoI	!NNNNNNNNNTGGYTA	2	307; 3522
Tsp45I	!GTSAC	4	1884; 1979; 3379; 3590
Tsp509I	!AATT	13	17; 44; 59; 76; 88; 106; 845; 1212; 1617; 1656; 2990; 3296; 3551
TspDTI	ATGAANNNNNNNNNNNN!	6	190; 280; 1212; 1242; 1630; 3014
TspDTI	!NNNNNNNNNTTCAT	6	318; 339; 1294; 1560; 3091; 3394
TspEI	!AATT	13	17; 44; 59; 76; 88; 106; 845; 1212; 1617; 1656; 2990; 3296; 3551
TspGWI	ACGGANNNNNNNNNNNN!	1	3905
TspGWI	!NNNNNNNNNTCCGT	1	3563
TspMI	C!CCGGG	0	
TspRI	CASTGNN!	10	661; 1019; 2132; 2638; 2651; 2922; 3071; 3176; 3523; 3550
TstI	CACNNNNNNNTCCNNNNNNNNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNNGTG	1	119

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TstI	GGANNNNNNGTGNNNNNNNNNNNNNN!	1	151
TstI	!NNNNNNNNNCACNNNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	1977
Tth111II	CAARCANNNNNNNNNNNN!	2	2820; 2859
Tth111III	!NNNNNNNNNTGYTTG	2	1764; 2827
UnbI	!GGNCC	10	288; 531; 623; 728; 1753; 3164; 3243; 3260; 3482; 4098
Van91I	CCANNNN!NTGG	3	726; 738; 1444
Vha464I	C!TTAAG	0	
VneI	G!TGCAC	4	219; 2046; 2544; 3790
VpaK11AI	!GGWCC	3	728; 3260; 3482
VpaK11BI	G!GWCC	3	729; 3261; 3483
VspI	AT!TAAT	1	3295
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	2	17; 1212
XbaI	T!CTAGA	1	1817
XceI	RCATG!Y	3	171; 1869; 2234
XcmI	CCANNNNN!NNNNTGG	0	
XhoI	C!TCGAG	1	1
XhoII	R!GATCY	9	127; 679; 874; 2871; 2882; 2968; 2980; 3748; 3765
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	0	
XmiI	GT!MKAC	1	2002
XmnI	GAANN!NNNTTC	1	3722
XspI	C!TAG	7	818; 961; 1709; 1818; 2725; 2978; 3313
ZraI	GAC!GTC	1	4043
ZrmI	AGT!ACT	3	805; 1629; 3603
Zsp2I	ATGCA!T	0	