

Enzyme Name	Sequence	Count	Cutting Position				
AatI	AGG!CCT	1	2112				
AatII	GACGT!C	0					
Acc65I	G!GTACC	1	64				
AccI	GT!MKAC	1	59				
AccII	CG!CG	18	70	444	600	705	940
			1215	1591	1611	1635	1666
			2357	2658	3096	3180	3243
			3312	3585	4166		
AccIII	T!CCGGA	0					
AciI	G!CGG	31	70	114	186	189	321
			360	399	606	827	833
			879	1551	1578	1666	1776
			2357	2421	2522	2525	2805
			2860	2958	3096	3243	3383
			3626	3871	3992	4011	4138
			4166				
AciI	C!CGC	37	68	123	142	214	376
			427	442	517	583	700
			703	821	938	1606	1609
			1623	1713	1961	1973	1982
			1994	2004	2015	2061	2200
			2263	2765	2810	2876	2902
			3027	3030	3178	3310	3617
			3761	4257			
AcyI	GR!CGYC	4	246	2291	2993	3072	
AfaI	GT!AC	4	66	389	749	2597	
AflI	G!GWCC	3	886	2807	3252		
AflIII	C!TTAAG	1	1173				
AflIII	A!CRYGT	1	4209				
AgeI	A!CCGGT	1	85				
AhaI	CC!SGG	7	76	77	770	2295	2455
			3068	3832			
AhaII	GR!CGYC	4	246	2291	2993	3072	
AhaIII	TTT!AAA	3	993	3435	3454		
AluI	AG!CT	19	37	43	178	417	423
			576	618	733	1070	1237
			1494	1789	2077	2397	2855
			3652	3909	3955	4045	
Alw44I	G!TGCAC	1	3895				
AlwI	GGATCNNNN!	11	87	723	926	939	2159
			2470	2716	3108	3467	3565
			3651				
AlwI	!NNNNNGATCC	5	74	2535	3079	3466	3563
AlwNI	CAGNNN!CTG	2	3392	3800			
AocI	CC!TNAGG	2	1771	3403			
AocII	GDGCH!C	16	39	76	200	239	473
			540	686	871	1482	2237
			2330	2404	2594	2656	3366
			3899				
Aor51HI	AGC!GCT	1	15				
AosI	TGC!GCA	1	2393				
AosII	GR!CGYC	4	246	2291	2993	3072	
ApaI	GGGCC!C	2	76	686			
ApaLI	G!TGCAC	1	3895				
ApoI	R!AATTY	4	48	1105	1209	1220	
ApyI	CC!WGG	10	872	1827	1882	1899	2678

			3257	3360	4050	4063	4184
AquI	C!YCGRG	5	32	75	203	482	798
AscI	GG!CGCGCC	0					
AseI	AT!TAAT	0					
AsnI	AT!TAAT	0					
Asp700I	GAANN!NNTTC	1	335				
Asp718I	G!GTACC	1	64				
AspHI	GWGCW!C	6	39	239	540	2404	2594
			3899				
AspI	GACN!NNGTC	1	2409				
AsuI	G!GNCC	12	72	73	211	682	683
			886	1398	2807	3252	3298
			3356	3389			
AsuII	TT!CGAA	2	46	2973			
AvaI	C!YCGRG	5	32	75	203	482	798
AvaII	G!GWCC	3	886	2807	3252		
AvaIII	ATGCA!T	3	1863	1935	4266		
AviII	TGC!GCA	1	2393				
AvrI	!CYCGRG	5	31	74	202	481	797
AvrII	C!CTAGG	2	2113	3128			
AxyI	CC!TNAGG	2	1771	3403			
BalI	TGG!CCA	1	2373				
BamHI	G!GATCC	1	79				
BanI	G!GYRCC	9	64	152	197	245	308
			470	1444	2290	2325	
BanII	GRGCY!C	6	39	76	686	1482	2656
			3366				
BanIII	AT!CGAT	1	2131				
BbeI	GGCGC!C	2	249	2294			
BbiII/AcyI	GR!CGYC	4	246	2291	2993	3072	
BbrPI	CAC!GTG	2	280	412			
BbsI	!GTCTTC	0					
BbsI	!GAAGAC	0					
BbvI	GCAGCNNNNNNNN!	9	531	585	911	1079	2364
			2406	2927	3380	3880	
BbvI	!NNNNNNNNNNNGCTGC	9	393	840	1573	2238	2422
			2515	3581	3787	3790	
BbvII	GAAGACNN!	0					
BbvII	!NNNNNNGTCTTC	0					
BcefI	ACGGCNNNNNNNNNN!	7	178	307	373	412	619
			2717	3204			
BcefI	!NNNNNNNNNNNGCCGT	3	1433	2251	3710		
BcgI	!GCANNNNNTCG	0					
BcgI	!CGANNNNNTGC	0					
BclI	T!GATCA	0					
BcnI	CC!SGG	7	76	77	770	2295	2455
			3068	3832			
BfaI	C!TAG	9	11	915	946	1140	1558
			2114	3129	3463	3716	
BfrI	C!TTAAG	1	1173				
BglI	GCCNNNN!NGGC	1	2066				
BglII	A!GATCT	2	28	794			
BinI	!NNNNNGATCC	5	74	2535	3079	3466	3563
BinI	GGATCNNNN!	11	87	723	926	939	2159
			2470	2716	3108	3467	3565
			3651				
BlnI	C!CTAGG	2	2113	3128			
BmyI	GDGCH!C	16	39	76	200	239	473
			540	686	871	1482	2237

			2330	2404	2594	2656	3366
			3899				
BpmI	!CTCCAG	1	3088				
BpmI	!CTGGAG	1	3109				
Bpu1102I	GC!TNAGC	1	272				
BsaAI	YAC!GTR	4	280	412	1407	2595	
BsaBI	GATNN!NNATC	3	561	953	2150		
BsaHI	GR!CGYC	4	246	2291	2993	3072	
BsaI	GGTCTCN!	0					
BsaI	!NNNNNGAGACC	1	3280				
BsaJI	C!CNNGG	25	68	75	96	126	483
			531	549	621	768	811
			870	1825	1897	2020	2055
			2064	2113	2454	2723	3128
			3255	3256	3358	3359	4049
BseAI	T!CCGGA	0					
BsePI	!GCGCGC	0					
BsgI	!GTGCAG	0					
BsgI	!CTGCAC	3	340	406	541		
BsiEI	CGRY!CG	5	90	442	938	2200	3875
BsiWI	C!GTACG	0					
BsiYI	CCNNNNN!NNGG	24	208	209	283	433	706
			709	826	1303	1629	2021
			2272	2816	3097	3129	3130
			3261	3296	3346	3347	3378
			3731	4010	4176	4194	
BslI	CCNNNNN!NNGG	24	208	209	283	433	706
			709	826	1303	1629	2021
			2272	2816	3097	3129	3130
			3261	3296	3346	3347	3378
			3731	4010	4176	4194	
BsmAI	!GTCTC	0					
BsmAI	!GAGAC	4	1720	2138	3157	3285	
BsmI	GAATGCN!	1	1042				
BsmI	G!CATTC	1	1135				
Bsp1286I	GDGCH!C	16	39	76	200	239	473
			540	686	871	1482	2237
			2330	2404	2594	2656	3366
			3899				
BspDI	AT!CGAT	1	2131				
BspEI	T!CCGGA	0					
BspHI	T!CATGA	2	1717	3489			
BspMI	ACCTGCNNNN!	4	276	549	2559	3009	
BspMI	!NNNNNNNNGCAGGT	1	2178				
BspMII	T!CCGGA	0					
BspWI	GCNNNNN!NNGC	33	111	150	195	243	450
			582	591	606	615	833
			905	1518	1548	1575	1617
			1619	1858	1930	1981	2060
			2066	2282	2366	2389	2528
			2534	2651	2734	3001	3188
			3392	3591	4163		
BsrFI	R!CCGGY	10	85	149	437	473	782
			823	1508	2610	2791	3074
BsrI	ACTGGN!	3	2235	2436	3682		
BsrI	C!CAGT	4	1320	1998	3794	3807	
BssHII	G!CGCGC	0					
Bst1107I	GTA!TAC	0					
BstBI	TT!CGAA	2	46	2973			

BstEII	G!GTNACC	0						
BstI	G!GATCC	1	79					
BstNI	CC!WGG	10	872	1827	1882	1899	2678	
			3257	3360	4050	4063	4184	
BstPI	G!GTNACC	0						
BstUI	CG!CG	18	70	444	600	705	940	
			1215	1591	1611	1635	1666	
			2357	2658	3096	3180	3243	
			3312	3585	4166			
BstXI	CCANNNNN!NTGG	0						
BstYI	R!GATCY	10	28	79	794	2462	2708	
			3100	3459	3471	3557	3568	
Bsu36I	CC!TNAGG	2	1771	3403				
CbiI	TT!CGAA	2	46	2973				
CcrI	C!TCGAG	2	32	798				
CelII	GC!TNAGC	1	272					
CfoI	GCG!C	25	16	248	600	653	838	
			1557	1565	1591	1613	1622	
			1635	1666	2285	2293	2357	
			2394	2660	2920	3096	3182	
			3585	3694	3868	3968	4035	
Cfr10I	R!CCGGY	10	85	149	437	473	782	
			823	1508	2610	2791	3074	
Cfr13I	G!GNCC	12	72	73	211	682	683	
			886	1398	2807	3252	3298	
			3356	3389				
Cfr9I	C!CCGGG	1	75					
CfrI	Y!GGCCR	6	439	935	2197	2371	2762	
			2789					
ClaI	AT!CGAT	1	2131					
CpoI	CG!GWCCG	1	2807					
Csp45I	TT!CGAA	2	46	2973				
CspI	CG!GSCCG	0						
CviJI	RG!CY	94	37	43	74	117	178	
			213	261	276	288	294	
			324	363	417	423	437	
			441	477	576	594	609	
			618	633	684	733	810	
			816	902	937	960	1070	
			1237	1257	1399	1480	1494	
			1508	1789	1830	1902	2025	
			2054	2060	2069	2077	2100	
			2112	2118	2199	2216	2224	
			2251	2276	2360	2369	2373	
			2397	2435	2511	2528	2547	
			2610	2654	2664	2681	2764	
			2791	2795	2832	2855	2871	
			3051	3078	3139	3261	3300	
			3357	3364	3371	3390	3401	
			3652	3681	3724	3735	3800	
			3879	3904	3909	3955	4045	
			4143	4169	4187	4198		
CvnI	CC!TNAGG	2	1771	3403				
DdeI	C!TNAG	8	25	272	1771	2073	2954	
			3403	3526	3935			
DpnI	GA!TC	28	30	81	134	449	497	
			512	564	717	796	920	
			933	950	2130	2134	2153	
			2464	2542	2623	2632	2710	

			3086	3102	3461	3473	3551
			3559	3570	3645		
DpnII	!GATC	28	28	79	132	447	495
			510	562	715	794	918
			931	948	2128	2132	2151
			2462	2540	2621	2630	2708
			3084	3100	3459	3471	3549
			3557	3568	3643		
DraI	TTT!AAA	3	993	3435	3454		
DraII	RG!GNCCY	3	682	683	3389		
DraIII	CACNNN!GTG	1	1407				
DrdI	GACNNNN!NNGTC	3	1362	2318	4107		
DsaI	C!CRYGG	9	68	96	126	531	549
			621	811	2020	2723	
DsaV	!CCNGG	17	74	75	768	870	1825
			1880	1897	2293	2453	2676
			3066	3255	3358	3830	4048
			4061	4182			
EaeI	Y!GGCCR	6	439	935	2197	2371	2762
			2789				
EagI	C!GGCCG	3	439	935	2197		
Eam1105I	GACNNN!NNGTC	0					
EarI	!CTCTTC	0					
EarI	!GAAGAG	4	231	1762	2639	2849	
Ecl136II	GAG!CTC	1	37				
EclXI	C!GGCCG	3	439	935	2197		
Eco105I	TAC!GTA	0					
Eco31I	GGTCTCN!	0					
Eco31I	!NNNNNGAGACC	1	3280				
Eco47I	G!GWCC	3	886	2807	3252		
Eco47III	AGC!GCT	1	15				
Eco52I	C!GGCCG	3	439	935	2197		
Eco57I	!CTGAAG	2	2415	2847			
Eco57I	!CTTCAG	4	255	417	588	3681	
Eco81I	CC!TNAGG	2	1771	3403			
EcoNI	CCTNN!NNNAGG	0					
EcoO109I	RG!GNCCY	3	682	683	3389		
EcoO65I	G!GTNACC	0					
EcoRI	G!AATTC	1	48				
EcoRII	!CCWGG	10	870	1825	1880	1897	2676
			3255	3358	4048	4061	4182
EcoRV	GAT!ATC	1	805				
EcoT14I	C!CWGGG	8	96	126	549	811	2020
			2113	2723	3128		
EcoT22I	ATGCA!T	3	1863	1935	4266		
EcoT38I	GRGCY!C	6	39	76	686	1482	2656
			3366				
EheI	GGC!GCC	2	247	2292			
Esp3I	CGTCTCN!	0					
Esp3I	!NNNNNGAGACG	0					
EspI	GC!TNAGC	1	272				
FbaI	T!GATCA	0					
FinI	!GTCCC	4	1821	1893	1957	3252	
FinI	!GGGAC	3	2427	2959	3068		
Fnu4HI	GC!NGC	45	115	142	187	214	322
			361	400	407	442	520
			574	607	703	834	854
			900	938	1068	1587	1609
			1623	2061	2200	2252	2263

			2353	2358	2395	2436	2523
			2526	2529	2765	2861	2902
			2916	3030	3369	3384	3595
			3801	3804	3869	4012	4167
FokI	GGATGNNNNNNNNN!	8	581	785	854	895	2158
			2615	2640	3094		
FokI	!NNNNNNNNNNNNNCATCC	4	500	641	653	1964	
FspI	TGC!GCA	1	2393				
GdiII	!NNNNNYGGCCG	5	433	929	2191	2756	2783
GdiII	CGGCCRN!	3	445	941	2203		
GsuI	!CTCCAG	1	3088				
GsuI	!CTGGAG	1	3109				
HaeI	WGG!CCW	5	2112	2373	3735	4187	4198
HaeII	RGC GC!Y	7	17	249	654	1558	1566
			2294	3969			
HaeIII	GG!CC	24	74	117	213	437	441
			684	937	1257	1399	2054
			2060	2069	2112	2199	2373
			2764	2791	3300	3357	3390
			3735	4169	4187	4198	
HapII	C!CGG	25	20	76	86	150	438
			474	770	783	824	1509
			2196	2273	2295	2323	2454
			2544	2611	2792	3067	3075
			3167	3641	3831	3857	4004
HgaI	GACGCNNNNN!	2	3001	3080			
HgaI	!NNNNNNNNNNNGCGTC	3	1624	3519	4097		
HgiAI	GWGCW!C	6	39	239	540	2404	2594
			3899				
HgiEII	!ACCNNNNNNGGT	1	3621				
HhaI	GCG!C	25	16	248	600	653	838
			1557	1565	1591	1613	1622
			1635	1666	2285	2293	2357
			2394	2660	2920	3096	3182
			3585	3694	3868	3968	4035
HinI	GR!CGYC	4	246	2291	2993	3072	
HinPII	G!CGC	25	14	246	598	651	836
			1555	1563	1589	1611	1620
			1633	1664	2283	2291	2355
			2392	2658	2918	3094	3180
			3583	3692	3866	3966	4033
HincII	GTY!RAC	2	60	1054			
HindIII	A!AGCTT	1	41				
HinfI	G!ANTC	12	23	942	1334	1356	1766
			2776	2910	2962	3020	3057
			3839	4235			
HpaI	GTT!AAC	1	1054				
HpaII	C!CGG	25	20	76	86	150	438
			474	770	783	824	1509
			2196	2273	2295	2323	2454
			2544	2611	2792	3067	3075
			3167	3641	3831	3857	4004
HphI	GGTGANNNNNNNN!	4	475	797	3362	3478	
HphI	!NNNNNNNTCACC	6	139	493	571	884	1408
			2469				
KasI	G!GCGCC	2	245	2290			
KpnI	GGTAC!C	1	68				
Ksp632I	CTCTTCN!	0					
Ksp632I	!NNNNGAAGAG	4	227	1758	2635	2845	

KspI	CCGC!GG	1	71				
MaeI	C!TAG	9	11	915	946	1140	1558
			2114	3129	3463	3716	
MaeII	A!CGT	10	279	411	1351	1363	1406
			1516	2407	2594	3375	3508
MaeIII	!GTNAC	10	890	1079	1580	1592	2411
			2717	3407	3673	3789	3852
MamI	GATNN!NNATC	3	561	953	2150		
MboI	!GATC	28	28	79	132	447	495
			510	562	715	794	918
			931	948	2128	2132	2151
			2462	2540	2621	2630	2708
			3084	3100	3459	3471	3549
			3557	3568	3643		
MboII	GAAGANNNNNNNN!	7	244	800	1547	1775	2652
			2862	3481			
MboII	!NNNNNNNTCTTC	5	490	2942	3109	3309	3552
McrI	!CGRYCG	5	86	438	934	2196	3871
MfeI	!CAATTG	1	1040				
MflI	R!GATCY	10	28	79	794	2462	2708
			3100	3459	3471	3557	3568
MluI	A!CGCGT	0					
MmeI	!TCCRAC	1	1358				
MmeI	!GTYGGA	2	3834	4018			
MnlI	CCTCNNNNNNN!	9	1010	1019	2074	2080	2892
			3098	3412	3782	4106	
MnlI	!NNNNNNNGAGG	20	186	384	426	477	702
			705	969	1434	1765	2043
			2049	2086	2089	2101	2141
			2205	2341	2698	3128	4031
MroI	T!CCGGA	0					
MscI	TGG!CCA	1	2373				
MseI	T!TAA	14	992	1053	1174	1195	1206
			1218	1229	1246	1344	1615
			3434	3448	3453	3505	
MspI	C!CGG	25	20	76	86	150	438
			474	770	783	824	1509
			2196	2273	2295	2323	2454
			2544	2611	2792	3067	3075
			3167	3641	3831	3857	4004
MstI	TGC!GCA	1	2393				
MstII	CC!TNAGG	2	1771	3403			
MunI	C!AATTG	1	1041				
MvaI	CC!WGG	10	872	1827	1882	1899	2678
			3257	3360	4050	4063	4184
MvnI	CG!CG	18	70	444	600	705	940
			1215	1591	1611	1635	1666
			2357	2658	3096	3180	3243
			3312	3585	4166		
NaeI	GCC!GGC	5	439	825	1510	2793	3076
NarI	GG!CGCC	2	246	2291			
NciI	CC!SGG	7	76	77	770	2295	2455
			3068	3832			
NcoI	C!CATGG	6	96	126	549	811	2020
			2723				
NdeI	CA!TATG	0					
NdeII	!GATC	28	28	79	132	447	495
			510	562	715	794	918
			931	948	2128	2132	2151

			2462	2540	2621	2630	2708
			3084	3100	3459	3471	3549
			3557	3568	3643		
NgoMI	G!CCGGC	5	437	823	1508	2791	3074
NheI	G!CTAGC	0					
NlaIII	CATG!	21	100	130	220	553	640
			691	815	862	1721	1861
			1933	2024	2165	2510	2696
			2727	2753	3109	3493	4213
			4264				
NlaIV	GGN!NCC	24	66	74	81	154	199
			247	310	472	683	684
			685	1446	1467	1479	1670
			1831	1903	2292	2327	3175
			3254	3299	4142	4181	
NotI	GC!GGCCGC	0					
NruI	TCG!CGA	0					
NsiI	ATGCA!T	3	1863	1935	4266		
Nsp(7524)I	RCATG!Y	5	640	1861	1933	2696	4213
Nsp(7524)V	TT!CGAA	2	46	2973			
NspBII	CMG!CKG	6	70	321	1789	2397	3626
			3871				
NspII	GDGCH!C	16	39	76	200	239	473
			540	686	871	1482	2237
			2330	2404	2594	2656	3366
			3899				
NspIII	C!YCGRG	5	32	75	203	482	798
NspIV	G!GNCC	12	72	73	211	682	683
			886	1398	2807	3252	3298
			3356	3389			
NunII	GG!CGCC	2	246	2291			
PacI	TTAAT!TAA	0					
Paer71	C!TCGAG	2	32	798			
PalI	GG!CC	24	74	117	213	437	441
			684	937	1257	1399	2054
			2060	2069	2112	2199	2373
			2764	2791	3300	3357	3390
			3735	4169	4187	4198	
PflMI	CCANNNN!NTGG	1	283				
PleI	GAGTCNNNN!	2	1342	1774			
PleI	!NNNNNGACTC	5	17	936	1350	2956	3833
PmaCI	CAC!GTG	2	280	412			
PmeI	GTTT!AAAC	0					
PmlI	CAC!GTG	2	280	412			
PpuMI	RG!GWCCY	0					
PshAI	GACNN!NNGTC	0					
PstI	CTGCA!G	3	57	675	901		
PvuI	CGAT!CG	0					
PvuII	CAG!CTG	2	1789	2397			
RmaI	C!TAG	9	11	915	946	1140	1558
			2114	3129	3463	3716	
RsaI	GT!AC	4	66	389	749	2597	
RsrI	G!AATTC	1	48				
RsrII	CG!GWCCG	1	2807				
SacI	GAGCT!C	1	39				
SacII	CCGC!GG	1	71				
SalI	G!TCGAC	1	58				
Sau3AI	!GATC	28	28	79	132	447	495
			510	562	715	794	918

			931	948	2128	2132	2151
			2462	2540	2621	2630	2708
			3084	3100	3459	3471	3549
			3557	3568	3643		
Sau96I	G!GNCC	12	72	73	211	682	683
			886	1398	2807	3252	3298
			3356	3389			
SauI	CC!TNAGG	2	1771	3403			
ScaI	AGT!ACT	0					
ScrFI	CC!NGG	17	76	77	770	872	1827
			1882	1899	2295	2455	2678
			3068	3257	3360	3832	4050
			4063	4184			
SduI	GDGCH!C	16	39	76	200	239	473
			540	686	871	1482	2237
			2330	2404	2594	2656	3366
			3899				
SecI	C!CNNGG	25	68	75	96	126	483
			531	549	621	768	811
			870	1825	1897	2020	2055
			2064	2113	2454	2723	3128
			3255	3256	3358	3359	4049
SexI	!CTCGAG	2	31	797			
SfaNI	GCATCNNNNN!	10	153	387	675	747	1107
			1870	1942	2590	2654	2929
SfaNI	!NNNNNNNNNGATGC	6	763	769	2249	2504	2720
			4112				
SfcI	C!TRYAG	7	53	613	671	897	1626
			3753	3944			
SfiI	GGCCNNNN!NGGCC	1	2066				
SfuI	TT!CGAA	2	46	2973			
SgrAI	CR!CCGGYG	1	823				
SinI	G!GWCC	3	886	2807	3252		
SmaI	CCC!GGG	1	77				
SnaBI	TAC!GTA	0					
SnaI	!GTATAC	0					
SnoI	G!TGCAC	1	3895				
SpeI	A!CTAGT	0					
SphI	GCATG!C	3	1861	1933	2696		
SplI	C!GTACG	0					
SrfI	GCCC!GGGC	0					
Sse8387I	CCTGCA!GG	0					
SspI	AAT!ATT	2	1199	1752			
SstI	GAGCT!C	1	39				
SstII	CCGC!GG	1	71				
SstIII	!ACGT	10	278	410	1350	1362	1405
			1515	2406	2593	3374	3507
StuI	AGG!CCT	1	2112				
StyI	C!CWGGG	8	96	126	549	811	2020
			2113	2723	3128		
StySJI	!GAGNNNNNGTRC	0					
StySJI	!GYACNNNNNNCTC	0					
SwaI	ATTT!AAAT	0					
TaqI	T!CGA	18	33	46	59	135	174
			381	799	1440	2131	2404
			2560	2584	2620	2782	2973
			3018	3273	4111		
TaqII	GACCGANNNNNNNNNN!	3	1311	2328	2996		
TaqII	!NNNNNNNNNTCGGTC	1	3240				

TaqII	CACCCANNNNNNNNNNN!	0						
TaqII	!NNNNNNNNNTGGGTG	2	2195	2787				
TfiI	G!AWTC	5	2776	2910	3020	3057	4235	
ThaI	CG!CG	18	70	444	600	705	940	
			1215	1591	1611	1635	1666	
			2357	2658	3096	3180	3243	
			3312	3585	4166			
Tsp45I	!GTSAC	4	890	1580	2411	2717		
TspEI	!AATT	10	48	1041	1105	1183	1209	
			1220	1867	1939	2031	3449	
Tth111I	GACN!NNGTC	1	2409					
Tth111II	CAARCANNNNNNNNNNN!	1	3618					
Tth111III	!NNNNNNNNNTGYTTG	3	2726	3586	3625			
TthHB8I	T!CGA	18	33	46	59	135	174	
			381	799	1440	2131	2404	
			2560	2584	2620	2782	2973	
			3018	3273	4111			
Van91I	CCANNNN!NTGG	1	283					
VspI	AT!TAAT	0						
XbaI	T!CTAGA	1	945					
XcmI	!CCANNNNNNNNNNTCG	2	368	2566				
XcyI	C!CCGGG	1	75					
XhoI	C!TCGAG	2	32	798				
XhoII	R!GATCY	10	28	79	794	2462	2708	
			3100	3459	3471	3557	3568	
XmaI	C!CCGGG	1	75					
XmaIII	C!GGCCG	3	439	935	2197			
XmnI	GAANN!NNTTC	1	335					
XorII	CGAT!CG	0						