

Site list

[Help](#)
[Comments](#)
[\[Back to main display\]](#)

unnamed sequence

Cut pos.	MS	Enzyme	Recognition sequence
1	*	(HpyCH4IV)	A^CG_T
1		FspEI	CC(N)_12^NNNN_
8		BanI	G^GYRC_C
8	*	FspEI	CC(N)_12^NNNN_
9		MnII	CCTC(N)_6_N^
10		NlaIV	GGN NCC
13	*	AvaI	C^YCGR_G
13	*	XhoI	C^TCGA_G
13	*	PspXI	VC^TCGA_GB
13		SmlI	C^TYRA_G
13	*	PaeR7I	C^TCGA_G
13		BsoBI	C^YCGR_G
14	*	(FspEI)	CC(N)_12^NNNN_
14		TaqI	T^CG_A
19	*	SalI	G^TCGA_C
19		MspJI	CNNR(N)_9^NNNN_
20		TaqI	T^CG_A
20	*	AccI	GT^MK_AC
21	*	HincII	GTY RAC
21	*	Hpy166II	GTN NAC
22		MnII	CCTC(N)_6_N^
25	*	MspJI	CNNR(N)_9^NNNN_
25		FspEI	CC(N)_12^NNNN_
25		HpyCH4III	AC_N^GT
25	*	Hpy99I	_CGWCG^
27	*	MspJI	CNNR(N)_9^NNNN_
29		TaqI	T^CG_A
29	*	BspDI	AT^CG_AT
29	*	ClaI	AT^CG_AT
34		HindIII	A^AGCT_T
36		AluI	AG CT
36		CviKI-1	RG CY
36		MspJI	CNNR(N)_9^NNNN_
42		EcoRV	GAT ATC
44		TaqI	T^CG_A
46	*	EcoRI	G^AATT_C
46		ApoI	R^AATT_Y
46		MluCI	^AATT_
49		MspJI	CNNR(N)_9^NNNN_
52		Hpy188I	TC_N^GA
57	*	MspJI	CNNR(N)_9^NNNN_
59	*	Hpy99I	_CGWCG^
62	*	Hpy99I	_CGWCG^
63	*	FspEI	CC(N)_12^NNNN_
63		MspJI	CNNR(N)_9^NNNN_
64		MspJI	CNNR(N)_9^NNNN_

68	*	HgaI	GACGC(N) ₅ ^(N) ₅ _
71	*	BsmFI	GGGAC(N) ₁₀ ^NNNN_
73	*	MspJI	CNNR(N) ₉ ^NNNN_
79	*	EaeI	Y^GGCC_R
81		PhoI	GG CC
81		HaeIII	GG CC
81		CviKI-1	RG CY
82		LpnPI	CCDG(N) ₁₀ ^NNNN_
82		FspEI	CC(N) ₁₂ ^NNNN_
83		FspEI	CC(N) ₁₂ ^NNNN_
83		BccI	CCATCNNNN^N_
84		MspJI	CNNR(N) ₉ ^NNNN_
88		FspEI	CC(N) ₁₂ ^NNNN_
88	*	Hpy188III	TC^NN_GA
94		MspJI	CNNR(N) ₉ ^NNNN_
95		MspJI	CNNR(N) ₉ ^NNNN_
95		FspEI	CC(N) ₁₂ ^NNNN_
100	*	MspJI	CNNR(N) ₉ ^NNNN_
100	*	MspJI	CNNR(N) ₉ ^NNNN_
101		FspEI	CC(N) ₁₂ ^NNNN_
101		MspJI	CNNR(N) ₉ ^NNNN_
101		BsrI	ACTG_GN^
102	*	FspEI	CC(N) ₁₂ ^NNNN_
102	*	MspJI	CNNR(N) ₉ ^NNNN_
104		MspJI	CNNR(N) ₉ ^NNNN_
106		BmrI	ACTGGGNNNN_N^
109		MspJI	CNNR(N) ₉ ^NNNN_
111	*	MspJI	CNNR(N) ₉ ^NNNN_
113	*	BsmFI	GGGAC(N) ₁₀ ^NNNN_
115	*	MspJI	CNNR(N) ₉ ^NNNN_
120		MspJI	CNNR(N) ₉ ^NNNN_
120		FspEI	CC(N) ₁₂ ^NNNN_
120		Hpy188I	TC_N^GA
121		MspJI	CNNR(N) ₉ ^NNNN_
128	*	BstUI	CG CG
128	*	HinPII	G^CG_C
130	*	HhaI	G_CG^C
131		MspJI	CNNR(N) ₉ ^NNNN_
132	*	MspJI	CNNR(N) ₉ ^NNNN_
139	*	MspJI	CNNR(N) ₉ ^NNNN_
141		MspJI	CNNR(N) ₉ ^NNNN_
144		FspEI	CC(N) ₁₂ ^NNNN_
147		TaqI	T^CG_A
148		MspJI	CNNR(N) ₉ ^NNNN_
148		FspEI	CC(N) ₁₂ ^NNNN_
149		FspEI	CC(N) ₁₂ ^NNNN_
160	*	MspJI	CNNR(N) ₉ ^NNNN_
161		Bpu10I	CC^TNA_GC
161		DdeI	C^TNA_G
162		BtsIMutI	CAGTG_NN^
162		FspEI	CC(N) ₁₂ ^NNNN_
162		LpnPI	CCDG(N) ₁₀ ^NNNN_

162	TspRI	_NNCASTGNN^
173	MspJI	CNNR(N) ₉ ^NNNN_
174	FspEI	CC(N) ₁₂ ^NNNN_
179	MslI	CAYNN NNRTG
180	FatI	^CATG_
180	MspJI	CNNR(N) ₉ ^NNNN_
181	CviAII	C^AT_G
182	Cac8I	GCN NGC
184	SphI	G_CATG^C
184	NspI	R_CATG^Y
184	HpyCH4V	TG CA
184	NlaIII	_CATG^
186	NsiI	A_TGCA^T
187	MspJI	CNNR(N) ₉ ^NNNN_
189	MspJI	CNNR(N) ₉ ^NNNN_
192	CviKI-1	RG CY
193	MspJI	CNNR(N) ₉ ^NNNN_
195	* MspJI	CNNR(N) ₉ ^NNNN_
197	MspJI	CNNR(N) ₉ ^NNNN_
211	FspEI	CC(N) ₁₂ ^NNNN_
215	MspJI	CNNR(N) ₉ ^NNNN_
219	MspJI	CNNR(N) ₉ ^NNNN_
220	FspEI	CC(N) ₁₂ ^NNNN_
223	* MspJI	CNNR(N) ₉ ^NNNN_
224	TseI	G^CWG_C
224	# MspJI	CNNR(N) ₉ ^NNNN_
224	ApeKI	G^CWG_C
225	MspJI	CNNR(N) ₉ ^NNNN_
225	Fnu4HI	GC^N_GC
227	MspJI	CNNR(N) ₉ ^NNNN_
229	MspJI	CNNR(N) ₉ ^NNNN_
233	MwoI	GCNN_NNN^NNGC
234	# BsrDI	GCAATG_NN^
236	BbvI	GCAGC(N) ₈ ^NNNN_
237	# DdeI	C^TNA_G
240	# Hpy188I	TC_N^GA
245	HpyCH4III	AC_N^GT
249	MspJI	CNNR(N) ₉ ^NNNN_
250	# BspCNI	CTCAG(N) ₇ _NN^
251	BsmAI	GTCTCN^NNNN_
251	MspJI	CNNR(N) ₉ ^NNNN_
251	BcoDI	GTCTCN^NNNN_
252	EcoP15I	CAGCAG(N) ₂₅ ^NN_
255	# LpnPI	CCDG(N) ₁₀ ^NNNN_
255	# FspEI	CC(N) ₁₂ ^NNNN_
256	FspEI	CC(N) ₁₂ ^NNNN_
257	MspJI	CNNR(N) ₉ ^NNNN_
263	* BsaHI	GR^CG_YC
263	FspEI	CC(N) ₁₂ ^NNNN_
263	* MspJI	CNNR(N) ₉ ^NNNN_
265	* MspJI	CNNR(N) ₉ ^NNNN_
268	# BssKI	^CCNGG_
268	# PspGI	^CCWGG_
268	# StyD4I	^CCNGG_

269	*	MspJI	CNNR(N) ₉ [^] NNNN_
269		BsaJI	C [^] CNNG_G
270		BstNI	CC [^] W_GG
270	#	ScrFI	CC [^] N_GG
271	*	HgaI	GACGC(N) ₅ [^] (N) ₅ _
276		MnlI	CCTC(N) ₆ _N [^]
279		BtsCI	GGATG_NN [^]
279		FspEI	CC(N) ₁₂ [^] NNNN_
281	#	MspJI	CNNR(N) ₉ [^] NNNN_
282	#	FspEI	CC(N) ₁₂ [^] NNNN_
282	#	LpnPI	CCDG(N) ₁₀ [^] NNNN_
282	#	MspJI	CNNR(N) ₉ [^] NNNN_
286		FokI	GGATG(N) ₉ [^] NNNN_
293		FspEI	CC(N) ₁₂ [^] NNNN_
295		MspJI	CNNR(N) ₉ [^] NNNN_
296		MspJI	CNNR(N) ₉ [^] NNNN_
296		FspEI	CC(N) ₁₂ [^] NNNN_
297		FspEI	CC(N) ₁₂ [^] NNNN_
298		MspJI	CNNR(N) ₉ [^] NNNN_
301		MspJI	CNNR(N) ₉ [^] NNNN_
302		CviKI-1	RG CY
302		FspEI	CC(N) ₁₂ [^] NNNN_
302		MspJI	CNNR(N) ₉ [^] NNNN_
303		FspEI	CC(N) ₁₂ [^] NNNN_
307		MspJI	CNNR(N) ₉ [^] NNNN_
308		FspEI	CC(N) ₁₂ [^] NNNN_
310		HpyCH4III	AC_N [^] GT
311		MspJI	CNNR(N) ₉ [^] NNNN_
312		FspEI	CC(N) ₁₂ [^] NNNN_
312		LpnPI	CCDG(N) ₁₀ [^] NNNN_
315		MspJI	CNNR(N) ₉ [^] NNNN_
316		MnlI	CCTC(N) ₆ _N [^]
316	*	FspEI	CC(N) ₁₂ [^] NNNN_
319	*	BcgI	_NN [^] (N) ₁₀ CGA(N) ₆ TGC(N) ₁₀ _NN [^]
322	*	FspEI	CC(N) ₁₂ [^] NNNN_
322	*	MmeI	TCCRAC(N) ₁₈ _NN [^]
324	*	MspJI	CNNR(N) ₉ [^] NNNN_
325	#	DpnII	[^] GATC_
325	*	Sau3AI	[^] GATC_
325	*	BfuCI	[^] GATC_
325	*#	MboI	[^] GATC_
327		FspEI	CC(N) ₁₂ [^] NNNN_
327	*	DpnI	GA TC
328		MspJI	CNNR(N) ₉ [^] NNNN_
328		MspJI	CNNR(N) ₉ [^] NNNN_
333	#	AlwI	GGATCNNNN [^] N_
335		FspEI	CC(N) ₁₂ [^] NNNN_
336		FspEI	CC(N) ₁₂ [^] NNNN_
336		MspJI	CNNR(N) ₉ [^] NNNN_
337		MspJI	CNNR(N) ₉ [^] NNNN_
337		FspEI	CC(N) ₁₂ [^] NNNN_
341	*	MspJI	CNNR(N) ₉ [^] NNNN_

343	MspJI	CNNR(N) ₉ [^] NNNN_
353	FspEI	CC(N) ₁₂ [^] NNNN_
356	FspEI	CC(N) ₁₂ [^] NNNN_
361	MnlI	CCTC(N) ₆ _N [^]
364	MnlI	CCTC(N) ₆ _N [^]
364	* MspJI	CNNR(N) ₉ [^] NNNN_
374	MspJI	CNNR(N) ₉ [^] NNNN_
375	* HpyCH4IV	A [^] CG_T
375	MspJI	CNNR(N) ₉ [^] NNNN_
379	* MspJI	CNNR(N) ₉ [^] NNNN_
381	* BstUI	CG CG
383	BseRI	GAGGAG(N) ₈ _NN [^]
384	* MspJI	CNNR(N) ₉ [^] NNNN_
384	* FspEI	CC(N) ₁₂ [^] NNNN_
385	MspJI	CNNR(N) ₉ [^] NNNN_
392	* MspJI	CNNR(N) ₉ [^] NNNN_
396	HpyCH4III	AC_N [^] GT
401	Hpy188I	TC_N [^] GA
404	* MspJI	CNNR(N) ₉ [^] NNNN_
408	* FspEI	CC(N) ₁₂ [^] NNNN_
412	* MspJI	CNNR(N) ₉ [^] NNNN_
412	MspJI	CNNR(N) ₉ [^] NNNN_
417	CviQI	G [^] TA_C
418	* RsaI	GT A [^] C
422	MboII	GAAGA(N) ₇ _N [^]
423	FspEI	CC(N) ₁₂ [^] NNNN_
424	FspEI	CC(N) ₁₂ [^] NNNN_
425	MseI	T [^] TA_A
431	HpyAV	CCTTC(N) ₅ _N [^]
435	FspEI	CC(N) ₁₂ [^] NNNN_
439	MwoI	GCNN_NNN [^] NNGC
439	* BglI	GCCN_NNN [^] NGGC
441	MspJI	CNNR(N) ₉ [^] NNNN_
446	MspJI	CNNR(N) ₉ [^] NNNN_
447	FspEI	CC(N) ₁₂ [^] NNNN_
447	* MspJI	CNNR(N) ₉ [^] NNNN_
447	MspJI	CNNR(N) ₉ [^] NNNN_
447	LpnPI	CCDG(N) ₁₀ [^] NNNN_
455	MspJI	CNNR(N) ₉ [^] NNNN_
456	AcuI	CTGAAG(N) ₁₄ _NN [^]
458	BtsCI	GGATG_NN [^]
460	MspJI	CNNR(N) ₉ [^] NNNN_
463	* Hpy188III	TC [^] NN_GA
465	FokI	GGATG(N) ₉ [^] NNNN_
467	* FspEI	CC(N) ₁₂ [^] NNNN_
467	* MspJI	CNNR(N) ₉ [^] NNNN_
468	MspJI	CNNR(N) ₉ [^] NNNN_
469	CviKI-1	RG CY
469	AluI	AG CT
471	* Cac8I	GCN NGC
475	* MspJI	CNNR(N) ₉ [^] NNNN_
476	MspJI	CNNR(N) ₉ [^] NNNN_

482	*	MspJI	CNNR(N) ₉ [^] NNNN_
484		Hpy188I	TC_N^GA
485		FspEI	CC(N) ₁₂ [^] NNNN_
486		MspJI	CNNR(N) ₉ [^] NNNN_
487		FspEI	CC(N) ₁₂ [^] NNNN_
487		LpnPI	CCDG(N) ₁₀ [^] NNNN_
488		AluI	AG CT
488		CviKI-1	RG CY
489		DdeI	C^TNA_G
493		BccI	CCATC [~] NNNN^N_
494	*	MwoI	GCNN_NNN^NNGC
495	*	AciI	C^CG_C
495	*	MspJI	CNNR(N) ₉ [^] NNNN_
497	*	BstUI	CG CG
498	*	FspEI	CC(N) ₁₂ [^] NNNN_
499		FspEI	CC(N) ₁₂ [^] NNNN_
501		MspJI	CNNR(N) ₉ [^] NNNN_
503	*	MwoI	GCNN_NNN^NNGC
506		MspJI	CNNR(N) ₉ [^] NNNN_
508	*	FspEI	CC(N) ₁₂ [^] NNNN_
508	*	MspJI	CNNR(N) ₉ [^] NNNN_
512	*	HgaI	GACGC(N) ₅ [^] (N) ₅ _
512	*	BtgZI	GCGATG(N) ₁₀ [^] NNNN_
515	*	FspEI	CC(N) ₁₂ [^] NNNN_
516		FspEI	CC(N) ₁₂ [^] NNNN_
517		FspEI	CC(N) ₁₂ [^] NNNN_
517		HinfI	G^ANT_C
518		FspEI	CC(N) ₁₂ [^] NNNN_
522		Hpy188I	TC_N^GA
524	*	MspJI	CNNR(N) ₉ [^] NNNN_
525		FatI	^CATG_
525	*	HgaI	GACGC(N) ₅ [^] (N) ₅ _
525		PleI	GAGTCNNNN^N_
526	*	MspJI	CNNR(N) ₉ [^] NNNN_
526		CviAII	C^AT_G
526		MlyI	GAGTC(N) ₅
529	*	BssKI	^CCNGG_
529		NlaIII	_CATG^
529	*	StyD4I	^CCNGG_
530	*	MspI	C^CG_G
530		BsaJI	C^CNNG_G
530	*	HpaII	C^CG_G
531	*	NciI	CC^S_GG
531		BslI	CCNN_NNN^NNGG
531	*	ScrFI	CC^N_GG
533	#	LpnPI	CCDG(N) ₁₀ [^] NNNN_
533		MspJI	CNNR(N) ₉ [^] NNNN_
533	#	FspEI	CC(N) ₁₂ [^] NNNN_
536	*	BsaHI	GR^CG_YC
538		MspJI	CNNR(N) ₉ [^] NNNN_
538		FspEI	CC(N) ₁₂ [^] NNNN_
541		SmlI	C^TYRA_G
541	*	PaeR7I	C^TCGA_G
541		BsoBI	C^YCGR_G

541	*	PspXI	VC^TCGA_GB
541	*	AvaI	C^YCGR_G
541	*	XhoI	C^TCGA_G
542		MspJI	CNNR(N) ₉ ^NNNN_
542		TaqI	T^CG_A
543	*	FspEI	CC(N) ₁₂ ^NNNN_
543	*	LpnPI	CCDG(N) ₁₀ ^NNNN_
543	*	MspJI	CNNR(N) ₉ ^NNNN_
546	#	BssKI	^CCNGG_
546	*	MspJI	CNNR(N) ₉ ^NNNN_
546	#	StyD4I	^CCNGG_
546	#	PspGI	^CCWGG_
546		CviKI-1	RG CY
548	*	FspEI	CC(N) ₁₂ ^NNNN_
548	#	ScrFI	CC^N_GG
548		BstNI	CC^W_GG
550		MnlI	CCTC(N) ₆ _N^
553		FspEI	CC(N) ₁₂ ^NNNN_
553	*	MspJI	CNNR(N) ₉ ^NNNN_
555	*	MspJI	CNNR(N) ₉ ^NNNN_
559	#	MspJI	CNNR(N) ₉ ^NNNN_
560	#	MspJI	CNNR(N) ₉ ^NNNN_
560	#	FspEI	CC(N) ₁₂ ^NNNN_
560		FspEI	CC(N) ₁₂ ^NNNN_
560	#	LpnPI	CCDG(N) ₁₀ ^NNNN_
563	*	AciI	C^CG_C
563	*	BstUI	CG CG
567		BtsIMutI	CAGTG_NN^
569	*	BceAI	ACGGC(N) ₁₂ ^NN_
574	*	MspJI	CNNR(N) ₉ ^NNNN_
574		TspRI	_NNCASTGNN^
574	*	MspJI	CNNR(N) ₉ ^NNNN_
576	*	MspJI	CNNR(N) ₉ ^NNNN_
582		MspJI	CNNR(N) ₉ ^NNNN_
582	*	BstUI	CG CG
582	*	HinPII	G^CG_C
584	*	HhaI	G_CG^C
586		MspJI	CNNR(N) ₉ ^NNNN_
590		FspEI	CC(N) ₁₂ ^NNNN_
591		FspEI	CC(N) ₁₂ ^NNNN_
592		MspJI	CNNR(N) ₉ ^NNNN_
593	*	MspJI	CNNR(N) ₉ ^NNNN_
594	*	Hpy99I	_CGWCG^
595		MwoI	GCNN_NNN^NNGC
598		HpyCH4V	TG CA
598	*	FspEI	CC(N) ₁₂ ^NNNN_
598		TseI	G^CWG_C
598		ApeKI	G^CWG_C
598	*	MspJI	CNNR(N) ₉ ^NNNN_
599		Fnu4HI	GC^N_GC
600		BsmI	GAATG_CN^
605	*	MspJI	CNNR(N) ₉ ^NNNN_
609		ApoI	R^AATT_Y
609		MluCI	^AATT_

609	EcoRI	G [^] AATT_C
610	BbvI	GCAGC(N̄) ₈ [^] NNNN_
610 *	FspEI	CC(N) ₁₂ [^] NNNN_
611	FspEI	CC(N) ₁₂ [^] NNNN_
612	FspEI	CC(N) ₁₂ [^] NNNN_
613	FspEI	CC(N) ₁₂ [^] NNNN_
614	MspJI	CNNR(N) ₉ [^] NNNN_
618	SfcI	C [^] TRYA_G
620	ApeKI	G [^] CWG_C̄
620	TseI	G [^] CWG_C
620	HpyCH4V	TG CA
621	Fnu4HI	GC [^] N_GC
622	PstI	C_TGCA [^] G
623 *	BssKI	[^] CCNGG_
623	CviKI-1	RG CY_
623 *	StyD4I	[^] CCNGG_
624 *	BssKI	[^] CCNGG_
624 *	TspMI	C [^] CCGG_G
624 *	AvaI	C [^] YCGR_G
624	BsaJI	C [^] CNNG_G
624 *	XmaI	C [^] CCGG_G
624 *	StyD4I	[^] CCNGG_
624	BsoBI	C [^] YCGR_G
625 *	ScrFI	CC [^] N_GḠ
625 *	MspI	C [^] CG_G
625 *	HpaII	C [^] CG_G
625 #	AlwI	GGATC̄NNNN [^] N_
625	BsaJI	C [^] CNNG_G
625 *	NciI	CC [^] S_GḠ
626 *	NciI	CC [^] S_GḠ
626 *	SmaI	CCC GGG
626 *	ScrFI	CC [^] N_GḠ
627	FspEI	CC(N) ₁₂ [^] NNNN_
628	FspEI	CC(N) ₁₂ [^] NNNN_
629	MspJI	CNNR(N) ₉ [^] NNNN_
629	FspEI	CC(N) ₁₂ [^] NNNN_
630	LpnPI	CCDG(N) ₁₀ [^] NNNN_
630	BstYI	R [^] GATC_Y
630 #	MboI	[^] GATC_
630 #	DpnII	[^] GATC_
630	Sau3AI	[^] GATC_
630	BfuCI	[^] GATC_
630	FspEI	CC(N) ₁₂ [^] NNNN_
630	BamHI	G [^] GATC_C
632	BbvI	GCAGC(N̄) ₈ [^] NNNN_
632	DpnI	GA TC
632	NlaIV	GGN NCC
633 *	FspEI	CC(N) ₁₂ [^] NNNN_
636	SpeI	A [^] CTAG_T
636 *	MspJI	CNNR(N) ₉ [^] NNNN_
637	MspJI	CNNR(N) ₉ [^] NNNN_
637	FspEI	CC(N) ₁₂ [^] NNNN_
637	BfaI	C [^] TA_G
638 *	FspEI	CC(N) ₁₂ [^] NNNN_
638 #	AlwI	GGATC̄NNNN [^] N_
638 *	MspJI	CNNR(N) ₉ [^] NNNN_

638	*	LpnPI	CCDG(N) ₁₀ ^NNNN_
642		XbaI	T^CTAG_A
643		Hpy188III	TC^NN_GA
643		BfaI	C^TA_G
645	*	FspEI	CC(N) ₁₂ ^NNNN_
647		FspEI	CC(N) ₁₂ ^NNNN_
648	*	BsrBI	CCG CTC
648	*	AciI	C^CG_C
648		FspEI	CC(N) ₁₂ ^NNNN_
649	*	NotI	GC^GGCC_GC
649	*	Fnu4HI	GC^N_GC
649	*	EagI	C^GGCC_G
649		MspJI	CNNR(N) ₉ ^NNNN_
649	*	EaeI	Y^GGCC_R
651	*	HaeIII	GG CC
651		CviKI-1	RG CY
651	*	PhoI	GG CC
652	*	BsiEI	CG_RY^CG
652	*	AciI	C^CG_C
652	*	Fnu4HI	GC^N_GC
654		BpmI	CTGGAG(N) ₁₄ _NN^
655		MspJI	CNNR(N) ₉ ^NNNN_
657	*	MwoI	GCNN_NNN^NNGC
658	*	AciI	C^CG_C
658		BsaJI	C^CNNG_G
658		BtgI	C^CRYG_G
660		AleI	CACNN NNGTG
660	*	MspAII	CMG CKG
660		MslI	CAYNN NNRTG
660	*	AciI	C^CG_C
660	*	BstUI	CG CG
661	*	SacII	CC_GC^GG
662		BstXI	CCAN_NNNN^NTGG
663		MspJI	CNNR(N) ₉ ^NNNN_
665	*	FspEI	CC(N) ₁₂ ^NNNN_
668		FspEI	CC(N) ₁₂ ^NNNN_
668		CviKI-1	RG CY
668		Eco53kI	GAG CTC
668		AluI	AG CT
670		BsiHKAII	G_WGCW^C
670		BanII	G_RGCY^C
670		SacI	G_AGCT^C
670		Bsp1286I	G_DGCH^C
671	*	FspEI	CC(N) ₁₂ ^NNNN_
671	*	MspJI	CNNR(N) ₉ ^NNNN_
673		MspJI	CNNR(N) ₉ ^NNNN_
674		CviKI-1	RG CY
674		AluI	AG CT
677		FspEI	CC(N) ₁₂ ^NNNN_
677		MspJI	CNNR(N) ₉ ^NNNN_
678		FspEI	CC(N) ₁₂ ^NNNN_
683		MspJI	CNNR(N) ₉ ^NNNN_
684		FspEI	CC(N) ₁₂ ^NNNN_
684		LpnPI	CCDG(N) ₁₀ ^NNNN_
685		MnlI	CCTC(N) ₆ _N^

688	*	MspJI	CNNR(N) ₉ [^] NNNN_
694		FspEI	CC(N) ₁₂ [^] NNNN_
695		MspJI	CNNR(N) ₉ [^] NNNN_
696		FspEI	CC(N) ₁₂ [^] NNNN_
697		MseI	T [^] TA_A
697		FspEI	CC(N) ₁₂ [^] NNNN_
698		MluCI	[^] AATT_
703		TaqI	T [^] CG_A
705		FspEI	CC(N) ₁₂ [^] NNNN_
707		AluI	AG CT
707		CviKI-1	RG CY
716	*	MspJI	CNNR(N) ₉ [^] NNNN_
718		FatI	[^] CATG_
719		CviAII	C [^] AT_G
720		MspJI	CNNR(N) ₉ [^] NNNN_
722		NlaIII	_CATG [^]
724		MspJI	CNNR(N) ₉ [^] NNNN_
725	*	MspJI	CNNR(N) ₉ [^] NNNN_
726		MspJI	CNNR(N) ₉ [^] NNNN_
729		AluI	AG CT
729		CviKI-1	RG CY
731		MspJI	CNNR(N) ₉ [^] NNNN_
737		MspJI	CNNR(N) ₉ [^] NNNN_
739	*	MspJI	CNNR(N) ₉ [^] NNNN_
744		MluCI	[^] AATT_
748		MspJI	CNNR(N) ₉ [^] NNNN_
749		FspEI	CC(N) ₁₂ [^] NNNN_
749		LpnPI	CCDG(N) ₁₀ [^] NNNN_
754	*	AciI	C [^] CG_C
756	*	BsrBI	CCG CTC
761		MluCI	[^] AATT_
762	*	MspJI	CNNR(N) ₉ [^] NNNN_
767	*	FspEI	CC(N) ₁₂ [^] NNNN_
767	*	FspEI	CC(N) ₁₂ [^] NNNN_
769		MspJI	CNNR(N) ₉ [^] NNNN_
771		MspJI	CNNR(N) ₉ [^] NNNN_
779		MspJI	CNNR(N) ₉ [^] NNNN_
779		FspEI	CC(N) ₁₂ [^] NNNN_
781		MspJI	CNNR(N) ₉ [^] NNNN_
781		CviKI-1	RG CY
782	*	HpaII	C [^] CG_G
782	*	MspI	C [^] CG_G
786		MspJI	CNNR(N) ₉ [^] NNNN_
789	#	FspEI	CC(N) ₁₂ [^] NNNN_
789	#	LpnPI	CCDG(N) ₁₀ [^] NNNN_
790	*	MspJI	CNNR(N) ₉ [^] NNNN_
790		FspEI	CC(N) ₁₂ [^] NNNN_
791		MspJI	CNNR(N) ₉ [^] NNNN_
791		FspEI	CC(N) ₁₂ [^] NNNN_
794		MspJI	CNNR(N) ₉ [^] NNNN_
795	*	FspEI	CC(N) ₁₂ [^] NNNN_
795	*	MspJI	CNNR(N) ₉ [^] NNNN_

795	*	LpnPI	CCDG(N) ₁₀ [^] NNNN_
801		MspJI	CNNR(N) ₉ [^] NNNN_
802	#	PspGI	^CCWGG_
802	#	BssKI	^CCNGG_
802		CviKI-1	RG CY_
802	#	StyD4I	^CCNGG_
803		BsaJI	C^CNNG_G
803		MspJI	CNNR(N) ₉ [^] NNNN_
804		BstNI	CC^W_GG
804	#	ScrFI	CC^N_GG
807		MspJI	CNNR(N) ₉ [^] NNNN_
808		MwoI	GCNN_NNN [^] NNGC
808		BanI	G^GYRC_C
810		NlaIV	GGN NCC
815	#	MspJI	CNNR(N) ₉ [^] NNNN_
816	#	MspJI	CNNR(N) ₉ [^] NNNN_
816	#	LpnPI	CCDG(N) ₁₀ [^] NNNN_
816	#	FspEI	CC(N) ₁₂ [^] NNNN_
824		MspJI	CNNR(N) ₉ [^] NNNN_
824		AluI	AG CT
824		CviKI-1	RG CY
825		FspEI	CC(N) ₁₂ [^] NNNN_
825		MspJI	CNNR(N) ₉ [^] NNNN_
826	*	MspJI	CNNR(N) ₉ [^] NNNN_
831	*	MspJI	CNNR(N) ₉ [^] NNNN_
835		MseI	T^TA_A
835		AseI	AT^TA_AT
836		MluCI	^AATT_
837		MspJI	CNNR(N) ₉ [^] NNNN_
841		MspJI	CNNR(N) ₉ [^] NNNN_
843		MspJI	CNNR(N) ₉ [^] NNNN_
846	*	HinPII	G^CG_C
848	*	HhaI	G_CG^C
850		BtsIMutI	CAGTG_NN^
850		BtsI	GCAGTG_NN^
852		MwoI	GCNN_NNN [^] NNGC
853	*	FspEI	CC(N) ₁₂ [^] NNNN_
854		FspEI	CC(N) ₁₂ [^] NNNN_
854		MspJI	CNNR(N) ₉ [^] NNNN_
857		TspRI	_NNCASTGNN^
857	*	Cac8I	GCN NGC
857	*	AciI	C^CG_C
861		MspJI	CNNR(N) ₉ [^] NNNN_
864		BsrI	ACTG_GN^
864	*	FauI	CCCGCNNNN [^] NN_
868	*	MspJI	CNNR(N) ₉ [^] NNNN_
869	*	Hpy188III	TC^NN_GA
869		FspEI	CC(N) ₁₂ [^] NNNN_
870	*	FspEI	CC(N) ₁₂ [^] NNNN_
875		BbvI	GCAGC(N) ₈ [^] NNNN_
876		MspJI	CNNR(N) ₉ [^] NNNN_
877		FspEI	CC(N) ₁₂ [^] NNNN_
877		LpnPI	CCDG(N) ₁₀ [^] NNNN_
881	*	MspJI	CNNR(N) ₉ [^] NNNN_

886	Cac8I	GCN NGC
887 *	FspEI	CC(N) ₁₂ ^NNNN_
888	CviKI-1	RG CY
888	MspJI	CNNR(N) ₉ ^NNNN_
888	ApeKI	G^CWG_C
888	MspAII	CMG CKG
888	TseI	G^CWG_C
888	AluI	AG CT
888	MspJI	CNNR(N) ₉ ^NNNN_
888	PvuII	CAG CTG
889	LpnPI	CCDG(N) ₁₀ ^NNNN_
889	Fnu4HI	GC^N_GC
889	FspEI	CC(N) ₁₂ ^NNNN_
891	HpyCH4V	TG CA
893 *	MspJI	CNNR(N) ₉ ^NNNN_
894	AseI	AT^TA_AT
894	MseI	T^TA_A
897	MspJI	CNNR(N) ₉ ^NNNN_
898 *	FspEI	CC(N) ₁₂ ^NNNN_
898	LpnPI	CCDG(N) ₁₀ ^NNNN_
898	FspEI	CC(N) ₁₂ ^NNNN_
899	FspEI	CC(N) ₁₂ ^NNNN_
899 *	HinfI	G^ANT_C
899	TfiI	G^AWT_C
900	FspEI	CC(N) ₁₂ ^NNNN_
903 *	EaeI	Y^GGCC_R
905	PhoI	GG CC
905	CviKI-1	RG CY
905	FspEI	CC(N) ₁₂ ^NNNN_
905	HaeIII	GG CC
906 *	FauI	CCCGCNNNN^NN_
908 *	FspEI	CC(N) ₁₂ ^NNNN_
909	BsaXI	_NNN^(N) ₉ AC(N) ₅ CTCC(N) ₇ _NNN^
911 *	HinPII	G^CG_C
911 *	BstUI	CG CG
912 *	BslI	CCNN_NNN^NNGG
913 *	BstUI	CG CG
913 *	HhaI	G_CG^C
913 *	AciI	C^CG_C
913	MspJI	CNNR(N) ₉ ^NNNN_
913	MnlI	CCTC(N) ₆ _N^
915 *	MspJI	CNNR(N) ₉ ^NNNN_
918	MspJI	CNNR(N) ₉ ^NNNN_
919	FspEI	CC(N) ₁₂ ^NNNN_
920	FspEI	CC(N) ₁₂ ^NNNN_
921	MspJI	CNNR(N) ₉ ^NNNN_
921	FspEI	CC(N) ₁₂ ^NNNN_
922	MspJI	CNNR(N) ₉ ^NNNN_
922 *	MspJI	CNNR(N) ₉ ^NNNN_
923 *	AciI	C^CG_C
924 *	MspJI	CNNR(N) ₉ ^NNNN_
926 *	MspJI	CNNR(N) ₉ ^NNNN_
932 *	MspJI	CNNR(N) ₉ ^NNNN_
935	MboII	GAAGA(N) ₇ _N^

936	*	MwoI	GCNN_NNN^NNGC
939	*	HinPII	G^CG_C
941	*	HhaI	G_CG^C
942	*	HaeII	R_GCGC^Y
943	*	MspJI	CNNR(N)_9^NNNN_
947	*	AciI	C^CG_C
948		EarI	CTCTTCN^NNN_
948		SapI	GCTCTTCN^NNN_
948		BspQI	GCTCTTCN^NNN_
956		BbvI	GCAGC(N)_8^NNNN_
957	*	MspJI	CNNR(N)_9^NNNN_
958		PleI	GAGTCNNNN^N_
958		MlyI	GAGTC(N)_5
959		BtsIMutI	CAGTG_NN^
960	*	FspEI	CC(N)_12^NNNN_
961	*	FspEI	CC(N)_12^NNNN_
962		MspJI	CNNR(N)_9^NNNN_
963		MnlI	CCTC(N)_6_N^
964	*	HinfI	G^ANT_C
966		TspRI	_NNCASTGNN^
966	*	MspJI	CNNR(N)_9^NNNN_
966		FspEI	CC(N)_12^NNNN_
969	*	TseI	G^CWG_C
969	*	FspEI	CC(N)_12^NNNN_
969	*	MspJI	CNNR(N)_9^NNNN_
969	*	ApeKI	G^CWG_C
970		MspJI	CNNR(N)_9^NNNN_
970		MspJI	CNNR(N)_9^NNNN_
970	*	Fnu4HI	GC^N_GC
972	*	HinPII	G^CG_C
974		MspJI	CNNR(N)_9^NNNN_
974		BbvI	GCAGC(N)_8^NNNN_
974	*	HhaI	G_CG^C
975	*	MspJI	CNNR(N)_9^NNNN_
975	*	FspEI	CC(N)_12^NNNN_
978	*	MspJI	CNNR(N)_9^NNNN_
980	*	BsiEI	CG_RY^CG
982	*	FspEI	CC(N)_12^NNNN_
987	*	MspJI	CNNR(N)_9^NNNN_
987		CviKI-1	RG CY
987	*	ApeKI	G^CWG_C
987		TseI	G^CWG_C
988	*	Fnu4HI	GC^N_GC
989		MspJI	CNNR(N)_9^NNNN_
990	*	AciI	C^CG_C
991	*	Fnu4HI	GC^N_GC
995	*	Cac8I	GCN NGC
996		BpuEI	CTTGAG(N)_14_NN^
997	*	AciI	C^CG_C
997	*	BsrBI	CCG CTC
999		FspEI	CC(N)_12^NNNN_
1002	*	FspEI	CC(N)_12^NNNN_
1003		MwoI	GCNN_NNN^NNGC
1006		AluI	AG CT

1006	*	MspJI	CNNR(N) ₉ [^] NNNN_
1006		CviKI-1	RG CY
1010	*	MspJI	CNNR(N) ₉ [^] NNNN_
1010	*	FspEI	CC(N) ₁₂ [^] NNNN_
1011		SmlI	C [^] TYRA_G
1017	*	AciI	C [^] CG_C
1019		MspJI	CNNR(N) ₉ [^] NNNN_
1023		MspJI	CNNR(N) ₉ [^] NNNN_
1025		MspJI	CNNR(N) ₉ [^] NNNN_
1027		MspJI	CNNR(N) ₉ [^] NNNN_
1027		LpnPI	CCDG(N) ₁₀ [^] NNNN_
1027		HpyCH4III	AC_N [^] GT
1027		FspEI	CC(N) ₁₂ [^] NNNN_
1028		FspEI	CC(N) ₁₂ [^] NNNN_
1034	*	MspJI	CNNR(N) ₉ [^] NNNN_
1038		TfiI	G [^] AWT_C
1038		HinfI	G [^] ANT_C
1039		BciVI	GTATCC(N) ₅ _N [^]
1046		MspJI	CNNR(N) ₉ [^] NNNN_
1046		FspEI	CC(N) ₁₂ [^] NNNN_
1048		MspJI	CNNR(N) ₉ [^] NNNN_
1048		MspJI	CNNR(N) ₉ [^] NNNN_
1050		MspJI	CNNR(N) ₉ [^] NNNN_
1054		MspJI	CNNR(N) ₉ [^] NNNN_
1055		FspEI	CC(N) ₁₂ [^] NNNN_
1059		AflIII	A [^] CRYG_T
1059		PciI	A [^] CATG_T
1059		FatI	[^] CATG_
1060		CviAII	C [^] AT_G
1062	*	MspJI	CNNR(N) ₉ [^] NNNN_
1063		NspI	R_CATG [^] Y
1063		NlaIII	_CATG [^]
1064		MspJI	CNNR(N) ₉ [^] NNNN_
1072		MspJI	CNNR(N) ₉ [^] NNNN_
1073		HaeIII	GG CC
1073		CviKI-1	RG CY
1073		PhoI	GG CC
1075		Cac8I	GCN NGC
1080		MspJI	CNNR(N) ₉ [^] NNNN_
1083		CviKI-1	RG CY
1086		MspJI	CNNR(N) ₉ [^] NNNN_
1087		LpnPI	CCDG(N) ₁₀ [^] NNNN_
1087		FspEI	CC(N) ₁₂ [^] NNNN_
1090		MspJI	CNNR(N) ₉ [^] NNNN_
1090		HpyCH4III	AC_N [^] GT
1091		LpnPI	CCDG(N) ₁₀ [^] NNNN_
1091		FspEI	CC(N) ₁₂ [^] NNNN_
1096		MspJI	CNNR(N) ₉ [^] NNNN_
1097		FspEI	CC(N) ₁₂ [^] NNNN_
1097		MspJI	CNNR(N) ₉ [^] NNNN_
1097		LpnPI	CCDG(N) ₁₀ [^] NNNN_
1097		CviKI-1	RG CY
1098	*	Fnu4HI	GC [^] N_GC

1098	*	AciI	C [^] CG_C
1100	*	BstUI	CG CG
1102	*	MspJI	CNNR(N) ₉ [^] NNNN_
1102	*	FspEI	CC(N) ₁₂ [^] NNNN_
1103		FspEI	CC(N) ₁₂ [^] NNNN_
1104		MspJI	CNNR(N) ₉ [^] NNNN_
1106	*	MwoI	GCNN_NNN [^] NNGC
1107	*	Cac8I	GCN NGC
1109	*	MspJI	CNNR(N) ₉ [^] NNNN_
1111	*	MspJI	CNNR(N) ₉ [^] NNNN_
1111	*	FspEI	CC(N) ₁₂ [^] NNNN_
1113		EciI	GGCGGA(N) ₉ _NN [^]
1118		MspJI	CNNR(N) ₉ [^] NNNN_
1121		CviKI-1	RG CY
1122	*	NlaIV	GGN NCC
1124	*	AciI	C [^] CG_C
1128		MspJI	CNNR(N) ₉ [^] NNNN_
1137	*	FspEI	CC(N) ₁₂ [^] NNNN_
1140		FspEI	CC(N) ₁₂ [^] NNNN_
1141		FspEI	CC(N) ₁₂ [^] NNNN_
1142		FspEI	CC(N) ₁₂ [^] NNNN_
1143		MspJI	CNNR(N) ₉ [^] NNNN_
1143		FspEI	CC(N) ₁₂ [^] NNNN_
1144		FspEI	CC(N) ₁₂ [^] NNNN_
1144		MspJI	CNNR(N) ₉ [^] NNNN_
1144		LpnPI	CCDG(N) ₁₀ [^] NNNN_
1144		MspJI	CNNR(N) ₉ [^] NNNN_
1148		MspJI	CNNR(N) ₉ [^] NNNN_
1148		SfaNI	GCATC(N) ₅ [^] NNNN_
1148	*	MspJI	CNNR(N) ₉ [^] NNNN_
1151		TaqI	T [^] CG_A
1151		FspEI	CC(N) ₁₂ [^] NNNN_
1152		FspEI	CC(N) ₁₂ [^] NNNN_
1155		FspEI	CC(N) ₁₂ [^] NNNN_
1155		MspJI	CNNR(N) ₉ [^] NNNN_
1156	*	Hpy99I	_CGWCG [^]
1157		MspJI	CNNR(N) ₉ [^] NNNN_
1157		DdeI	C [^] TNA_G
1158		AhdI	GACNN_N [^] NNGTC
1159		HpyAV	CCTTC(N) ₅ _N [^]
1162	*	HgaI	GACGC(N) ₅ [^] (N) ₅ _
1164		Hpy188I	TC_N [^] GA
1167	*	(FspEI)	CC(N) ₁₂ [^] NNNN_
1168	*	(FspEI)	CC(N) ₁₂ [^] NNNN_
1169		MspJI	CNNR(N) ₉ [^] NNNN_
1170		BspCNI	CTCAG(N) ₇ _NN [^]
1175		MspJI	CNNR(N) ₉ [^] NNNN_
1175		(TfiI)	G [^] AWT_C
1175	*	(HinfI)	G [^] ANT_C
1175	*	(HpyAV)	CCTTC(N) ₅ _N [^]
1176		MspJI	CNNR(N) ₉ [^] NNNN_
1178		(CviKI-1)	RG CY

1180	(Hpy188I)	TC_N^GA
1182	# FspEI	CC(N) ₁₂ ^NNNN_
1182	# LpnPI	CCDG(N) ₁₀ ^NNNN_
1183	*# (MluI)	A^CGCG_T
1183	* (HpyCH4IV)	A^CG_T
1183	# (AflIII)	A^CRYG_T
1183	*# (HindIII)	A^AGCT_T
1183	*# (AclI)	AA^CG_TT
1185	*# (CviKI-1)	RG CY
1185	*# (HaeIII)	GG CC
1185	*# (HpyCH4III)	AC_N^GT
1185	*# (StuI)	AGG CCT
1185	*# (AluI)	AG CT
1185	*# (HpyCH4V)	TG CA
1185	*# (PhoI)	GG CC
1185	*# (BstUI)	CG CG
1186	*# (CviKI-1)	RG CY
1186	* MspJI	CNNR(N) ₉ ^NNNN_
1187	* (BsmI)	GAATG_CN^
1187	*# (NsiI)	A_TGCA^T
1189	* (MspJI)	CNNR(N) ₉ ^NNNN_
1189	*# (PsiI)	TTA TAA
1190	* (MspJI)	CNNR(N) ₉ ^NNNN_
1191	(FspEI)	CC(N) ₁₂ ^NNNN_
1191	MspJI	CNNR(N) ₉ ^NNNN_
1192	* FspEI	CC(N) ₁₂ ^NNNN_
1192	* MspJI	CNNR(N) ₉ ^NNNN_
1193	# (HinfI)	G^ANT_C
1193	# (TfiI)	G^AWT_C
1195	# (StyD4I)	^CCNGG_
1195	# (BssKI)	^CCNGG_
1195	# (PspGI)	^CCWGG_
1196	*# (MspJI)	CNNR(N) ₉ ^NNNN_
1197	# (BstNI)	CC^W_GG
1197	# (ScrFI)	CC^N_GG
1198	*# (Cac8I)	GCN NGC
1198	* (MspJI)	CNNR(N) ₉ ^NNNN_
1199	*# (FspEI)	CC(N) ₁₂ ^NNNN_
1199	*# (BceAI)	ACGGC(N) ₁₂ ^NN_
1204	* (Hpy166II)	GTN NAC
1206	MspJI	CNNR(N) ₉ ^NNNN_
1207	* (Hpy188III)	TC^NN_GA
1208	# (MspJI)	CNNR(N) ₉ ^NNNN_
1209	# MspJI	CNNR(N) ₉ ^NNNN_
1209	# (LpnPI)	CCDG(N) ₁₀ ^NNNN_
1209	# (FspEI)	CC(N) ₁₂ ^NNNN_
1210	* MspJI	CNNR(N) ₉ ^NNNN_
1214	AluI	AG CT
1214	CviKI-1	RG CY
1218	* (FspEI)	CC(N) ₁₂ ^NNNN_
1219	DdeI	C^TNA_G
1219	* (FspEI)	CC(N) ₁₂ ^NNNN_
1219	MspJI	CNNR(N) ₉ ^NNNN_
1224	* MspJI	CNNR(N) ₉ ^NNNN_
1225	* HinPII	G^CG_C

1227	*	HhaI	G ₋ CG [^] C
1227		TspRI	₋ NNCASTGNN [^]
1227		BtsIMutI	CAGTG ₋ NN [^]
1228		MnlI	CCTC(N ₋) ₆ ₋ N [^]
1230		FspEI	CC(N) ₁₂ [^] NNNN ₋
1230		(MspJI)	CNNR(N) ₉ [^] NNNN ₋
1231		FspEI	CC(N) ₁₂ [^] NNNN ₋
1231		MspJI	CNNR(N) ₉ [^] NNNN ₋
1232	*	MspJI	CNNR(N) ₉ [^] NNNN ₋
1232		BspCNI	CTCAG(N) ₇ ₋ NN [^]
1234	*	MspJI	CNNR(N) ₉ [^] NNNN ₋
1238		HpyAV	CCTTC(N) ₅ ₋ N [^]
1240		Hpy188I	TC ₋ N [^] GA
1241		FspEI	CC(N) ₁₂ [^] NNNN ₋
1242	*	(FspEI)	CC(N) ₁₂ [^] NNNN ₋
1242	*	(LpnPI)	CCDG(N) ₁₀ [^] NNNN ₋
1243	*	(MspJI)	CNNR(N) ₉ [^] NNNN ₋
1244		MspJI	CNNR(N) ₉ [^] NNNN ₋
1245		LpnPI	CCDG(N) ₁₀ [^] NNNN ₋
1245		FspEI	CC(N) ₁₂ [^] NNNN ₋
1247	*	(BssHII)	G [^] CGCG ₋ C
1247	*	(AciI)	C [^] CG ₋ C
1247	*	(HinPII)	G [^] CG ₋ C
1249	*	HinPII	G [^] CG ₋ C
1249	*	(Cac8I)	GCN NGC
1249	*	(HhaI)	G ₋ CG [^] C
1249	*	BstUI	CG CG
1251	*	HhaI	G ₋ CG [^] C
1251		MspJI	CNNR(N) ₉ [^] NNNN ₋
1252		(BspMI)	ACCTGCNNNN [^] NNNN ₋
1252	*	FspEI	CC(N) ₁₂ [^] NNNN ₋
1252	*	MspJI	CNNR(N) ₉ [^] NNNN ₋
1252	*	(BfuAI)	ACCTGCNNNN [^] NNNN ₋
1254		(MnlI)	CCTC(N) ₆ ₋ N [^]
1254	*	(HpyAV)	CCTTC(N) ₅ ₋ N [^]
1257	*	(AciI)	C [^] CG ₋ C
1257	*	(HpaII)	C [^] CG ₋ G
1257	*	(MspI)	C [^] CG ₋ G
1258	*	(HpyCH4III)	AC ₋ N [^] GT