






Time-Saver™ Qualified Enzymes

	Recombinant		Digest in 5 minutes
	Enzymes that are Time-Saver qualified will digest unit assay substrate in 5-15 minutes under recommended reaction conditions		Digest in 15 minutes
			Not completely digested in 15 minutes
		NT	Not tested.

Enzyme	Sequence	Recombinant	Time-Saver Qualified	Unit Assay Substrate	Plasmid Substrate
<i>AatII</i>	GACGT/C				
<i>Acc65I</i>	G/GTACC				
<i>AccI</i>	GT/MKAC				
<i>AcI</i>	CCGC(-3/-1)				
<i>AclI</i>	A/ACGTT				
<i>AclI</i>	CTGAAG(16/14)				
<i>AflII</i>	C/TTAAG				
<i>AgeI-HF™</i>	A/CCGGT				
<i>AgeI-HF® RE-Mix®</i>	A/CCGGT				
<i>AhdI</i>	GACNNN/NGTC				
<i>AluI</i>	AG/CT				
<i>AlwNI</i>	CAGNNN/CTG				
<i>ApaI</i>	GGGCC/C				
<i>ApaLI</i>	G/TGCAC				
<i>ApeKI</i>	G/CWGC				
<i>ApoI</i>	R/AATY				
<i>Ascl</i>	GG/CGCGCC				
<i>Ascl RE-Mix®</i>	GG/CGCGCC				
<i>Asel</i>	AT/TAAT				
<i>AvaI</i>	C/YCGRG				
<i>Avall</i>	G/GWCC				
<i>AvrII</i>	C/CTAGG				
<i>BaeGI</i>	GKGC/MC				
<i>BaeI</i>	(10/15)ACN>NNNGTAYC(12/7)				

BamHI	G/GATCC				
BamHI-HF®	G/GATCC				
BbsI	GAAGAC(2/6)				
BbvI	GCAGC(8/12)				
BccI	CCATC(4/5)				
BceAI	ACGGC(12/14)				
BciVI	GTATCC(6/5)				
BclI	T/GATCA				
BcoDI	GTCTC(1/5)				
BfuAI	ACCTGC(4/8)				
BfuCI	/GATC				
BglI	GCCNNNN/NGGC				
BglII	A/GATCT				
BipI	GC/TNAGC				
BmgBI	CACGTC(-3/-3)				
Bmri	ACTGGG(5/4)				
BmtI-HF®	GCTAG/C				
BpuEI	CTTGAG(16/14)				
BsaAI	YAC/GTR				
BsaHI	GR/CGYC				
BsaI-HF®	GGTCTC(1/5)				
BsaWI	W/CCGGW				
BsaXI	(9/12)ACNNNNCTCC(10/7)				
BseRI	GAGGAG(10/8)				
BsgI	GTGCAG(16/14)				
BsiEI	CGRY/CG				
BsiWI	C/GTACG				
BsII	CCNNNNN/NNGG				
BsmAI	GTCTC(1/5)				
BsmBI	CGTCTC(1/5)				
BsmFI	GGGAC(10/14)				
BsmI	GAATGC(1/-1)				
BsoBI	CYCGRG				
Bsp1286I	GDGCH/C				
BspCNI	CTCAG(9/7)				
BspEI	T/CCGGA				
BspHI	T/CATGA				
BspQI	GCTCTC(1/4)				
BsrBI	CCGCTC(-3/-3)				

BsrDI	GCAATG(2/0)				
BsrGI	T/GTACA				
BsrI	ACTGG(1/-1)				
BssHII	G/CGCGC				
BssKI	/CCNGG				
BstBI	TT/CGAA				
BstEII	G/GTNACC				
BstEII-HF®	G/GTNACC				
BstEII-HF® RE-Mx®	G/GTNACC				
BstNI	CC/MGG				
BstUI	CG/CG				
BstXI	CCANNNNN/NTGG				
BstYI	R/GATCY				
BstZ17I	GTATAC				
Bsu36I	CC/TNAGG				
BtgI	C/CRYGG				
BtsCI	GGATG(2/0)				
BtsI	GCAGTG(2/0)				
Cac8I	GCN/NGC				
ClaI	AT/CGAT				
CspCI	(11/13)CAANNNNNGTGG(12/10)				
CviAI	C/ATG				
CviQI	G/TAC				
DdeI	C/TNAG				
DpnI	GATC				
DpnII	/GATC				
DraI	TTT/AAA				
DraIII	CACNNN/GTG				
DraIII-HF®	CACNNN/GTG				
DrdI	GACNNNN/NGTC				
EagI	C/GGCCG				
EagI-HF®	C/GGCCG				
EarI	CTCTTC(1/4)				
Eco53kI	GAG/CTC				
EcoNI	CCTNN/NNNAGG				
EcoO109I	RG/GNCCY				
EcoP15I	CAGCAG(25/27)				
EcoRI	G/AATC				

EcoRI-HF®	G/AATC	RII	⌚	●	●
EcoRI-HF® RE-Mix®	G/AATC	RII	⌚	●	●
EcoRV	GAT/ATC	RII	⌚	●	●
EcoRV-HF®	GAT/ATC	RII	⌚	●	●
EcoRV-HF® RE-Mix®	GAT/ATC	RII	⌚	●	●
Fnu4HI	GC/NGC	RII	⌚	●	■
FokI	GGATG(9/13)	RII		●	●
FseI	GGCCGG/CC	RII	⌚	●	●
FspI	TGC/GCA	RII	⌚	■	▲
HaeII	RGCGC/Y	RII	⌚	■	▲
HaeIII	GG/CC	RII	⌚	●	●
HgaI	GACGC(5/10)	RII		■	▲
HhaI	GCG/C	RII	⌚	●	■
HincII	GTY/RAC	RII	⌚	■	▲
HindIII-HF®	A/AGCTT	RII	⌚	●	●
HinfI	G/ANTC	RII	⌚	●	●
HinP1I	G/CGC	RII	⌚	●	▲
HpaII	C/CGG	RII	⌚	●	●
HphI	GGTGA(8/7)	RII	⌚	●	▲
Hpy166II	GTN/NAC	RII	⌚	●	●
HpyAV	CCTTC(6/5)	RII	⌚	●	●
HpyCH4IV	A/CGT	RII	⌚	●	●
HpyCH4V	TG/CA	RII	⌚	●	●
KpnI	GGTAC/C	RII		●	●
KpnI-HF®	GGTAC/C	RII	⌚	●	●
KpnI-HF® RE-Mix®	GGTAC/C	RII	⌚	●	●
MboI	/GATC	RII	⌚	●	▲
MboII	GAAGA(8/7)	RII		●	●
MfeI	C/AATTG	RII		●	●
MfeI-HF®	C/AATTG	RII	⌚	●	●
MfeI-HF® RE-Mix®	C/AATTG	RII	⌚	●	●
MuCI	/AATT	RII	⌚	●	●
MulI	A/CGCGT	RII	⌚	●	●
MylI	GAGTC(5/5)	RII	⌚	●	▲
MmeI	TCCRAC(20/18)	RII	⌚	●	●
MnlI	CCTC(7/6)	RII	⌚	●	●
MseI	T/TAA	RII	⌚	■	■
MslI	CAYNN/NNRTG	RII	⌚	●	●
MspA1I	CMG/CKG	RII	⌚	●	●

MspI	C/CGG				
MwoI	GCNNNNN/NGC				
NciI	CC/SGG				
NcoI	C/CATGG				
NcoI-HF®	C/CATGG				
NcoI-HF® RE-Mx®	C/CATGG				
NdeI	CATATG				
NgoMV	G/CCGGC				
NheI	G/CTAGC				
NheI-HF®	G/CTAGC				
NheI-HF® RE-Mx®	G/CTAGC				
NlaIII	CATG/				
NmeAIII	GCCGAG(21/19)				
NotI	GC/GGCCGC				
NotI-HF®	GC/GGCCGC				
NotI-HF® RE-Mx®	GC/GGCCGC				
NruI	TCG/CGA				
NsiI	ATGCAT				
Nspl	RCATGY				
Pacl	TTAAT/TAA				
Pacl RE-Mx®	TTAAT/TAA				
PaeR7I	C/TCGAG				
PfiFI	GACN/NNGTC				
PfiM	CCANNNN/NTGG				
PmeI	GTTT/AAAC				
PmlI	CAC/GTG				
PpuMI	RG/GWCCY				
PshAI	GACNN/NNGTC				
PstI	CTGCA/G				
PstI-HF®	CTGCA/G				
PvuI	CGAT/CG				
PvuI-HF®	CGAT/CG				
PvuII	CAG/CTG				
PvuII-HF®	CAG/CTG				
RsaI	GT/AC				
SacI	GAGCT/C				
SacI-HF®	GAGCT/C				
SacII	CCGC/GG				

Sall	G/TCGAC				
Sall-HF®	G/TCGAC				
Sall-HF® RE-Mix®	G/TCGAC				
SapI	GCTCTTC(1/4)				
SbfI	CCTGCA/GG				
SbfI-HF®	CCTGCA/GG				
ScaI	AGT/ACT				
ScaI-HF®	AGT/ACT				
ScaI-HF® RE-Mix®	AGT/ACT				
SfiI	GGCCN(N)N/NGGCC				
SfoI	GGC/GCC				
SmaI	CCC/GGG				
SpeI	A/CTAGT				
SpeI RE-Mix®	A/CTAGT				
SpeI-HF®	A/CTAGT				
SphI-HF®	GCATG/C				
SspI	AAT/ATT				
SspI-HF®	AAT/ATT				
StuI	AGG/CCT				
StyD4I	/CCNGG				
StyI	C/CWVGG				
StyI-HF®	C/CWVGG				
Swal	ATTT/AAAT				
Taq ⁹¹	T/CGA				
TfiI	G/AWTC				
TseI	G/CWGC				
Tsp509I	/AATT				
TspMI	C/CCGGG				
TspRI	NNCAS(T)GNN/				
Tth111I	GACN/NGTC				
XbaI	T/CTAGA				
XbaI RE-Mix®	T/CTAGA				
XhoI	C/TCGAG				
XhoI RE-Mix®	C/TCGAG				
XmaI	C/CCGGG				
XmnI	GAANN/NNTTC				