

Fermentas Restriction Enzymes

Buffer Activity Chart

www.fermentas.com

www.fermentas.com/doubledigest

www.fermentas.com/research



Highest quality & performance

Enzyme		Prototype and specificity 5'→3'	Recommended buffer for 100% activity	Enzyme activity in Fermentas buffers, %					Tango™ buffer for double digestion	Enzyme properties	
				B (blue) 1X	G (green) 1X	O (orange) 1X	R (red) 1X	Tango™ (yellow) 1X 2X			
AarI	AarI	CACCTGC(4/8)↓	Unique (+oligo)	NR	NR	0-20 (+oligo)	0-20 (+oligo)	NR	50-100 (+oligo)	2X (+oligo)	✱
AasI	DrdI	GACNNNN-INGTC	B	100	20-50	0-20	0-20	50-100*	0-20	1X*	✱
AatII	AatII	GACGTC↓	Tango™	50-100	20-50	0-20	0-20	100	20-50	1X or 2X	✱
Acc65I	KpnI (GGTAC↓)C	G↓TGAC	O	0-20	20-50	100	20-50	20-50	50-100	1X or 2X	✱
Adel	Drall	CACNNN-IGTG	G	0-20	100	20-50	100	100*	20-50	1X* or 2X	✱
Ajl	BtrI	CAC↓GTC	Unique	NR	NR	20-50*	NR	NR	20-50*	2X*	✱
AjuI	AjuI	↓(7/12)GAA(N) ₁ TTGG(11/6)↓	R (+SAM)	0-20 (+SAM)	50-100 (+SAM)	20-50 (+SAM)	100 (+SAM)	50-100 (+SAM)	50-100 (+SAM)	1X or 2X (+SAM)	✱
AlfI	AlfI	↓(10/12)GCA(N) ₁ TGC(12/10)↓	R (+SAM)	0-20 (+SAM)	0-20 (+SAM)	0-20 (+SAM)	100 (+SAM)	0-20 (+SAM)	20-50 (+SAM)	2X (+SAM)	✱
Alol (30°C)	Alol	↓(7/12-3)GAAC(N) ₁ CTC(12-3/7)↓	R	0-20	0-20	0-20	100	20-50	100	1X or 2X	✱
Alul	Alul	AG↓CT	Tango™	50-100	0-20	0-20	0-20	100	20-50	1X or 2X	✱
Alw21I	HgiAl	GWGCW↓C	O	0-20	20-50	100	50-100	20-50	50-100	1X or 2X	✱
Alw26I	BsmAl	GTCTC(1/5)↓	Tango™	50-100	100	0-20	0-20	100	100	1X or 2X	✱
Alw44I	ApaLI	G↓TGAC	Tango™	50-100	100	0-20	50-100	100	50-100	1X or 2X	✱
Apal	Apal	GGGCC↓C	B	100	20-50	0-20	0-20	20-50	0-20	1X	✱
BamHI	BamHI	G↓GATCC	Unique	20-50*	100	20-50	50-100*	100*	50-100*	1X* or 2X	✱
BauI	BsiI	CACGAG(-5/-)↓	Tango™	0-20	50-100	0-20	50-100	100	50-100	1X or 2X	✱
BclI (55°C)	BclI	T↓GATCA	G	20-50	100	20-50	20-50	100*	100	1X* or 2X	✱
BcnI	Caull	CC↓GGC	Tango™	20-50	50-100	50-100	50-100	100	50-100	1X or 2X	✱
BcuI	SpeI	A↓CTAGT	Tango™	50-100	50-100	0-20	20-50	100	0-20	1X	✱
BdaI (30°C)	BdaI	↓(10/12)TGA(N) ₁ CTC(12/10)↓	G (+SAM)	NR	100 (+SAM)	0-20 (+SAM)	20-50 (+SAM)	50-100 (+SAM)	50-100 (+SAM)	1X* or 2X (+SAM)	✱
BfiI	BfiI	ACTGGG(5/4)↓	Tango™	20-50	20-50	0-20	0-20	100	0-20	1X	✱
Bfml	SfiI	C↓TRVAG	O	0-20	50-100	0-20	0-20	100	20-50	1X or 2X	✱
BfuI	BovII	GTATCC(6/5)↓	Unique	NR	NR	0-20	0-20	NR	50-100*	2X*	✱
BglI	BglI	GCNNNN-INGGC	O	0-20	50-100	100	100	0-20	100	2X	✱
BglII	BglII	A↓GATCT	O	0-20	20-50	100	50-100	0-20	100	2X	✱
BmeI390I	SorFI	CC↓NG	O	20-50	50-100	100	50-100	50-100	50-100	1X or 2X	✱
BoxI	PatAl	GACNN-INGTC	Tango™	0-20	0-20	0-20	20-50	100	20-50	1X or 2X	✱
Bpil	BbvII	GAAGAC(2/6)↓	G	20-50	100	50-100	50-100	50-100	50-100	1X or 2X	✱
BplI	BplI	↓(8/13)GAG(N) ₁ CTC(13/8)↓	Tango™ (+SAM)	0-20 (+SAM)	20-50 (+SAM)	0-20 (+SAM)	0-20 (+SAM)	100 (+SAM)	20-50 (+SAM)	1X or 2X (+SAM)	✱
Bpu10I	Bpu10I	CCTNAGC(-5/-)C↓	Unique	0-20	20-50*	50-100*	100*	50-100*	100*	1X* or 2X*	✱
Bpu1102I	EspI	GC↓TNAGC	Tango™	50-100	50-100	20-50	20-50	100	20-50	1X or 2X	✱
BseDI (55°C)	SecI	C↓KNGG	Tango™	50-100	20-50	0-20	0-20	100	50-100	1X or 2X	✱
BseGI (55°C)	FokI (GGATG(9/13)↓) GGATG(2/0)↓	Tango™	20-50	50-100	20-50	20-50	20-50	100	20-50	1X or 2X	✱
BseJ (55°C)	BsaBI	GATNN-1NATC	O	NR	100*	100	NR	NR	100*	2X*	✱
BseK (55°C)	BsiYI	CCNNNN-1NNGG	Tango™	20-50	100	50-100	20-50	100	50-100	1X or 2X	✱
BseMI (55°C)	BsrDI	GCAATG(2/0)↓	R	0-20	20-50	0-20	100	50-100	50-100	1X or 2X	✱
BseMII (55°C)	BseMII	CTCAG(10/8)↓	Tango™ (+SAM)	50-100 (+SAM)	50-100 (+SAM)	50-100 (+SAM)	50-100 (+SAM)	100 (+SAM)	50-100 (+SAM)	1X or 2X (+SAM)	✱
BseNI (55°C)	BsrI	ACTGG(1/3)↓	B	100	20-50	0-20	0-20	50-100	20-50	1X or 2X	✱
BseSI (55°C)	BseSI	GKGCM↓C	G	20-50	100	0-20	20-50	50-100	0-20	1X	✱
BseXI (55°C)	BbvII	GCAGC(8/12)↓	Unique	NR	NR	NR	NR	NR	NR	NR	✱
Bsh1236I	FnuDII	CG↓CG	R	0-20	0-20	50-100	100	20-50	50-100	1X or 2X	✱
Bsh1285I	Mori	CGRV↓G	G	20-50	100	20-50	0-20	0-20	20-50	2X	✱
BshNI	HgiCI	G↓VRCC	O	0-20	20-50	100	50-100	0-20	100	2X	✱
BspI	AgeI	A↓CGGT	O	0-20	20-50	100	50-100	20-50	20-50	1X or 2X	✱
Bsp68I	NruI	TCG↓CGA	O	0-20	20-50	100	50-100	20-50	50-100	1X or 2X	✱
Bsp119I	AsuI	TT↓CGAA	Tango™	20-50	0-20	0-20	0-20	100	100	1X or 2X	✱
Bsp120I	ApaI (GGGCG↓)C	G↓GGCCC	B	100	20-50	0-20	20-50	50-100	0-20	1X	✱
Bsp143I	MboI	↓GATC	Unique	20-50	20-50	0-20	0-20	50-100	20-50	1X or 2X	✱
Bsp143II	HaeII	RGGCG↓	Tango™	50-100*	20-50	0-20	20-50	100*	20-50	1X* or 2X*	✱
Bsp1407I	Bsp1407I	T↓GTACA	Tango™	0-20	20-50	0-20	20-50	100	50-100	1X or 2X	✱
BspLI	NlaIV	GGN↓NCC	Tango™	50-100	50-100	0-20	20-50	100	20-50	1X or 2X	✱
BspPI (55°C)	BspPI	GGATC(4/5)↓	Tango™	20-50	20-50	0-20	0-20	100	0-20	1X	✱
BspTI	AflII	C↓TTAAG	O	0-20	0-20	100	20-50	0-20	50-100	2X	✱
Bst1107I	SnaI	GTA↓TAC	O	20-50	50-100	100	100	20-50	100	1X or 2X	✱
BstXI (55°C)	BstXI	CCANNNNN-1NTGG	O	20-50	100	100	50-100	50-100	100	1X or 2X	✱
Bsu15I	ClaI	AT↓CGAT	Tango™	20-50	20-50	20-50	20-50	100	20-50	1X or 2X	✱
BtaI	Gsu↓CC	R	R	20-50	20-50	50-100	100	50-100	100	1X or 2X	✱
Bvel	BspMI	ACCTCG(4/8)↓	O (+oligo)	0-20 (+oligo)	20-50 (+oligo)	100 (+oligo)	20-50 (+oligo)	50-100 (+oligo)	50-100 (+oligo)	1X or 2X (+oligo)	✱
CaI	AlwNI	CAGNN↓CTG	Tango™	20-50	20-50	20-50	50-100	100	50-100	1X or 2X	✱
CfrI	CfrI	Y↓GGCCG	Unique	50-100*	50-100	0-20	0-20	100	0-20	1X	✱
Cfr9I	SmaI (CCC↓GGG) C↓CGGG	Unique	0-20	0-20	0-20	0-20	20-50	0-20	1X	✱	
Cfr10I	Cfr10I	R↓CGGGY	Unique	0-20	20-50	20-50	50-100*	20-50	50-100	1X or 2X	✱
Cfr13I	AsuI	G↓GNCC	Tango™	50-100	50-100	20-50	20-50	100	20-50	1X or 2X	✱
Cfr42I	SacII	CCGC↓GG	B	100	50-100	0-20	0-20	50-100	0-20	1X	✱
CpoI	RsrII	CG↓VWCGG	Tango™	20-50	50-100	50-100	20-50	100	50-100	1X or 2X	✱
CseI	HpaI	GACGC(5/10)↓	R	NR	50-100*	50-100	100	100*	50-100	1X* or 2X	✱
Csp6I	RsaI (GT↓AC) G↓TAC	B	100	50-100	0-20	0-20	50-100	0-20	1X	✱	
DpnI	DpnI	Gm6A↓TC	Tango™	100	100	50-100	50-100	100	50-100	1X or 2X	✱
DraI	AhaII	TTT↓AAA	Tango™	50-100	50-100	20-50	20-50	100	50-100	1X or 2X	✱
Eam1104I	Ksp632I	CTCTTC(1/4)↓	Tango™	50-100	50-100	0-20	0-20	100	0-20	1X	✱
Eam1105I	Eam1105I	GACNNN-INGTC	Unique	20-50	50-100	0-20	0-20	20-50	20-50	1X or 2X	✱
Ecl136II	SacI (GAGCT↓)C	GAG↓CTC	Unique	50-100	20-50	0-20	0-20	50-100	0-20	1X	✱
Eco24I	HgiII	GRC↓YC	Tango™	50-100	50-100	0-20	20-50	100	0-20	1X	✱
Eco31I	Eco31I	GGTCTC(1/5)↓	G	50-100	100	0-20	0-20	50-100	20-50	1X or 2X	✱
Eco32I	EcoRV	GAT↓ATC	R	0-20	50-100	50-100	100	20-50	100	1X or 2X	✱
Eco47I	AvrII	G↓GWCC	R	0-20	50-100	50-100	100	50-100	50-100	1X or 2X	✱
Eco47III	Eco47III	AGC↓IGCT	O	0-20	20-50	100	100	50-100	100	1X or 2X	✱
Eco52I	XmaII	C↓GGCCG	Unique	0-20	0-20	0-20	20-50	0-20	20-50	2X	✱
Eco57I	Eco57I	CTGAAG(16/14)↓	G (+SAM)	100 (+SAM)	100 (+SAM)	20-50 (+SAM)	20-50 (+SAM)	50-100 (+SAM)	50-100 (+SAM)	1X or 2X (+SAM)	✱
Eco57MI	Eco57MI	CTGRAG(16/14)↓	B (+SAM)	100 (+SAM)	50-100 (+SAM)	0-20 (+SAM)	20-50 (+SAM)	50-100 (+SAM)	0-20 (+SAM)	1X (+SAM)	✱
Eco72I	PmaCI	CAC↓GTG	Tango™	NR	NR	0-20	0-20	100	20-50	1X or 2X	✱
Eco81I	SauI	CC↓TNAGG	Tango™	50-100	100	0-20	0-20	100	0-20	1X	✱
Eco88I	AvaI	C↓VCGR	Tango™	100	50-100	0-20	0-20	100	20-50	1X or 2X	✱
Eco91I	BstEII	G↓GTNACC	O	20-50	20-50	100	50-100	50-100	100	1X or 2X	✱
Eco105I	SnaBI	TAC↓GTA	Tango™	100*	50-100	0-20	0-20	100	0-20	1X	✱
Eco130I	StyI	C↓CWGG	O	0-20	20-50	100	50-100	50-100	100	1X or 2X	✱
Eco147I	StuI	AGC↓ICT	B	100	50-100	20-50	20-50	50-100	0-20	1X	✱
Eco109I	Drall	RG↓NGCY	Tango™	50-100	20-50	20-50	20-50	100	100	1X or 2X	✱
EcoRI	EcoRI	G↓AATTC	Unique	0-20	NR	100	100*	NR	100	2X	✱
EcoRII	EcoRII	↓CCWGG	O	20-50	50-100	100	50-100	20-50	50-100	1X or 2X	✱
EheI	NarI (GG↓CGCC) GGC↓GGC	GGC↓GGC	Tango™	20-50	50-100	0-20	0-20	100	20-50	1X or 2X	✱
Esp3I	Esp3I	CGTCTC(1/5)↓	Tango™ (+DTT)	100 (+DTT)	20-50 (+DTT)	0-20 (+DTT)	0-20 (+DTT)	100 (+DTT)	0-20 (+DTT)	1X (+DTT)	✱

Enzyme		Prototype and specificity 5'→3'	Recommended buffer for 100% activity	Enzyme activity in Fermentas buffers, %					Tango™ buffer for double digestion	Enzyme properties
				B (blue) 1X	G (green) 1X	O (orange) 1X	R (red) 1X	Tango™ (yellow) 1X 2X		
FaqI	FinI	GGGAC(10/14)↓	Tango™ (+SAM)	20-50 (+SAM)	20-50 (+SAM)	0-20 (+SAM)	0-20 (+SAM)	100 (+SAM) 20-50 (+SAM)	1X or 2X (+SAM)	
FspAI	FspAI	RTGC↓GCA	O	0-20	0-20	100	50-100	0-20 50-100	2X	
FspBI	MaeI	C↓TAG	Tango™	50-100	20-50	0-20	0-20	100 0-20 1X	1X	
GsuI (30°C)	GsuI	CTGGAG(16/14)↓	B	100	50-100	20-50	20-50	100 50-100	1X or 2X	
HhaI	HhaI	GCG↓C	Tango™	50-100	50-100	20-50	20-50	100 20-50	1X or 2X	
HinII	Acyl	GR↓ICGYC	G	20-50	100	20-50	20-50	20-50 20-50	1X or 2X	
HinIII	NlaII	CAT↓G	G	50-100	100	20-50	50-100	50-100 50-100	1X or 2X	
Hin4I	Hin4I ↓(8/13-14)GAY(N) ₁ CTC(13-3/4)↓	Tango™ (+SAM)	20-50 (+SAM)	20-50 (+SAM)	0-20 (+SAM)	0-20 (+SAM)	100 (+SAM)	0-20 (+SAM)	1X (+SAM)	
Hin6I	HhaI (GCG↓)C	G↓CGC	Tango™	50-100	50-100	20-50	20-50	100 50-100	1X or 2X	
HincII	HindII	GTV↓RAC	Tango™	50-100	50-100	20-50	50-100	100 50-100	1X or 2X	
HindIII	HindIII	A↓AGCTT	R	0-20	20-50	0-20	100	50-100 50-100	1X or 2X	
HinfI	HinfI	G↓ANTC	R	0-20	20-50	50-100	100	50-100 50-100	1X or 2X	
HpaII	HpaII	C↓CGG	Tango™	50-100	50-100	0-20	20-50	100 20-50	1X or 2X	
HphI	HphI	GGTGA(8/7)↓	B	100	0-20	0-20	0-20	20-50 0-20 1X	1X	
Hpy8I	MjaI/V	GTN↓NAC	Tango™	50-100	50-100	0-20 (+SAM)	20-50	100 50-100	1X or 2X	
HpyF3I	DdeI	C↓TNAG	Tango™	20-50	20-50	20-50	20-50	100 50-100	1X or 2X	
HpyF10VI	MwoI	GCNNNNN↓NNGC	Tango™	0-20	0-20	0-20	0-20	100 50-100	1X or 2X	
KpnI	KpnI	GGTAC↓C	Unique	20-50	0-20	0-20	0-20	20-50 0-20 1X	1X	
Kpn2I (55°C)	BspMI	TLTCCGGA	Tango™	50-100	50-100	0-20	20-50	100 50-100	1X or 2X	
KspAI	HpaI	GT↓TAAC	B	100	50-100*	20-50	20-50	100* 50-100	1X* or 2X	
Lgl	SapI	GGCTCTC(14/1)↓	Tango™	20-50	50-100	20-50	20-50	100 20-50	1X or 2X	
LuvI	SfaNI	GCATC(5/9)↓	Tango™	0-20	0-20	0-20	20-50	100 20-50	1X or 2X	
MbsI	BsrBI	GAGCGG(3/3-3)↓	Tango™	20-50	100	20-50	20-50	100 20-50	1X or 2X	
Mbol	Mbol	↓ATGC	R	50-100	50-100	50-100	100	50-100 100	1X or 2X	
MbolI	MbolI	GAAGA(8/7)↓	B	100	50-100	20-50	0-20	50-100 20-50	1X or 2X	
MisI	BalI	TGG↓CCA	R	0-20	20-50	0-20	100	20-50 50-100	1X or 2X	
MluI	MluI	A↓CGGTG	R	0-20	20-50	50-100	100	20-50 50-100	1X or 2X	
MnlI	MnlI	CCCTC(7/6)↓	G	50-100	100	20-50	20-50	20-50 20-50	1X or 2X	
Mph1103I	AvallI	ATGCA↓AT	R	0-20	50-100	20-50	100	50-100 50-100	1X or 2X	
MspI	HpaII	C↓GGG	Tango™	50-100	50-100	0-20	0-20	100 50-100	1X or 2X	
MssI	PmeI	GTTT↓AAAC	B	100	0-20	0-20	0-20	20-50 0-20 1X	1X	
MunI	MfeI	C↓AATTG	G	100	100	0-20	0-20	100 0-20	1X or 2X	
MvaI	EcoRI (↓CCWGG)	CC↓WGG	R	20-50	20-50	50-100	100	20-50* 100	1X* or 2X	
Mva1269I	BsmI	GAATGC(11/1)↓	R	0-20	20-50	50-100	100	0-20 50-100	2X	
NcoI	NcoI	C↓CATGG	Tango™	20-50	20-50	20-50	50-100	100 100	1X or 2X	
NdeI	NdeI	CA↓TATG	O	0-20	0-20	100	50-100	0-20 50-100	2X	
NheI	NheI	G↓CTACG	Tango™	100	20-50	0-20	0-20	100 0-20 1X	1X	
NmuCI	Tsp45I	↓GTSCA	R	0-20	20-50	50-100	100	20-50 50-100	1X or 2X	
NotI	NotI	GC↓GGCCGC	O	0-20	0-20	100	20-50	0-20 20-50	2X	
NsbI	MstI	TGC↓IGA	Tango™	20-50	50-100	0-20	20-50	100 20-50	1X or 2X	
OliI	OliI	CACNN↓NNGTG	R	0-20	0-20	0-20	100	0-20 50-100	2X	
PaeI	SphI	CGATC↓G	B	100	50-100	0-20	0-20	50-100 0-20 1X	1X	
PagI	BspHI	↓TTCATGA	O	0-20	50-100	100	NR	NR NR	NR	
PasI (55°C)	PasI	CC↓CWGGG	Unique	NR	NR	NR	NR	NR NR	NR	
Paul	BspFI	G↓CGGGC	R	0-20	0-20	100	NR	0-20 100	2X	
PdiI	NaeI	GGC↓IGG	Tango™	50-100	20-50	0-20	0-20	100 50-100	1X or 2X	
PdmI	XmnI	GAANN↓NNTTC	Tango™	20-50	50-100	0-20	0-20	100 0-20 1X	1X	
PfeI	TfiI	G↓LAATC	O	0-20	20-50	100	50-100	20-50 50-100	1X or 2X	
PHI23II	SpiI	C↓GTACG	Tango™	20-50	50-100	20-50	20-50	100 0-20 1X	1X	
PfoI	PfoI	TLTCCNGGA	Tango™	0-20	20-50	50-100	0-20	100 50-100	1X or 2X	
PfuI (30°C)	PfuI	↓(7/12)GAAC(N) ₁ CTC(13/8)↓	R	0-20	0-20	0-20	100	50-100 50-100	1X or 2X	
Ppu21I (30°C)	BsaAI	YAC↓IGTR	Unique	50-100*	100*	20-50	NR	NR NR	NR	
PscI	BspLU1II	A↓CATGT	Unique	20-50	20-50	0-20	0-20	100 0-20 1X	1X	
Psp5II	PpuMI	RG↓GWCCY	G	0-20	100	20-50	20-50	50-100 100	1X or 2X	
Psp1406I	AccI	AA↓AGCTT	Unique	100	50-100	0-20	20-50	100 0-20 1X	1X	
PstI	PstI	CTGCA↓G	O	50-100	50-100	100	100	50-100 50-100	1X or 2X	
PsuI	XhoII	R↓GATCY	B	100	20-50	0-20	0-20	50-100 0-20 1X	1X	
PsyI	TuH1II	GACN↓NNGTC	B	50-100	50-100	0-20	0-20	50-100 0-20 1X	1X	
PvuI	PvuI	CGATC↓G	R	0-20	20-50	50-100	100	50-100 100	1X or 2X	
PvuII	PvuII	CAG↓CTG	G	50-100*	100	20-50	50-100	20-50* 20-50	1X* or 2X*	
RsaI	RsaI	GT↓AC	Tango™	50-100	20-50	0-20	0-20	100 0-20 1X	1X	
SacI	SacI	GAGCTC↓A	Unique	50-100	20-50	0-20	0-20	50-100 20-50	1X or 2X	
Sall	Sall	G↓CTGAC	G	0-20	0-20	100	20-50	0-20 50-100	2X	
SatI	Fnu4HI	GCG↓NGC	G	20-50	100	20-50	20-50	50-100 20-50	1X or 2X	
Scal	Scal	AGT↓ACT	Unique	0-20	0-20	0-20	0-20	0-20 NR	NR	
SchI	PleI (GAGTC(4/5)↓)	GAGTC(5/5)↓	Tango™	20-50	50-100	0-20	0-20	100 0-20 1X	1X	
SdaI	Sse8387I	CCTGCA↓GG	Unique	NR	NR	0-20	0-20	NR 20-50	2X	
SdeI	SdeI	GDGCH↓A	Unique	NR	50-100*	50-100	0-20	NR NR	NR	
SfiI (50°C)	SfiI	GGCCNNNN↓NNGCC	G	50-100	100	20-50	0-20	100 0-20 1X	1X	
SgsI	AscI	GG↓CGGGC	Unique	0-20	0-20	0-20	50-100	100 50-100	1X or 2X	
SmaI (30°C)	SmaI	CCC↓GGG	Tango™	50-100	0-20	0-20	0-20	100 0-20 1X	1X	
SmI (30°C)	SwaI	ATT↓TAAT	O	0-20	0-20	100	20-50	0-20 20-50	2X	
Smol (55°C)	Smol	C↓TYRAG	Tango™	50-100	20-50	0-20	20-50	100 20-50	1X or 2X	
SnuI	FauI	CCCGG(4/6)↓	Tango™	50-100	50-100	0-20	20-50	100 20-50	1X or 2X	
SspI	AccI	CCCGC(3/3)↓	O	NR	20-50	100	50-100	NR 100	2X	
SspI	SspI	AAT↓AAT	G	20-50	100	0-20	50-100	100 20-50	1X or 2X	
TaaI (65°C)	Tsp4CI	ACN↓IGT	Tango™	0-20	0-20	0-20	50-100	100 100	1X or 2X	
TatI (65°C)	MaeII (A↓CGT)	ACG↓T	R	50-100	50-100	20-50	100	100 50-100	1X or 2X	
TaqI (65°C)	TaqI	TL↓CGA	Unique	0-20	20-50	20-50	20-50	20-50 20-50	1X or 2X	
TasI (65°C)	TspEI	↓JAATT	B	100	50-100	20-50	0-20	20-50 0-20 1X	1X	
TatI (65°C)	TspI	W↓GTACW	Tango™	NR	50-100*	20-50	20-50	100* 0-20 1X	1X	
TauI (55°C)	TauI	CGSC↓C	B	100	50-100	0-20	0-20	20-50 0-20 1X	1X	
TruI (55°C)	MseI	T↓TAA	R	50-100	50-100	20-50	100	50-100 100	1X or 2X	
TsoI (55°C)	TsoI	TARCCA(11/9)↓	G (+SAM)	NR	100 (+SAM)	50-100 (+SAM)	0-20 (+SAM)	50-100 (+SAM) 20-50 (+SAM)	1X or 2X (+SAM)	
TstI	TstI	↓(8/13)CAC(N) ₁ TC(12/7)↓	R	0-20	0-20	0-20	100	0-20 100	2X	
Van91I	PFIMI	CCANNNN↓NTGG	Tango™	0-20	50-100	50-100	100	20-50 50-100	1X or 2X	
VspI	VspI	ATT↓AAT	O	0-20	50-100	100	20-50	100 20-50	1X or 2X	
XagI	EcoNI	CCNN↓NNAAGG	R	0-20	20-50	50-100	100	20-50 50-100	1X or 2X	
XapI	Apol	R↓AATTY	Tango™	50-100	100	0-20	0-20	100 20-50	1X or 2X	
XbaI	XbaI	↓TCTAGA	Tango™	50-100	50-100	20-50	0-20	100 50-100	1X or 2X	
XceI	NspI	RCATG↓Y	Tango™	50-100	0-20	0-20	0-20	100 0-20 1X	1X	
XhoI	XhoI	G↓CTGAG	R	0-20	50-100	50-100	100	20-50 100	1X or 2X	
XmaJI	AvrII	C↓GTAGG	Tango™	20-50	50-100	50-100	50-100	100 50-100	1X or 2X	
XmiI	AccI	GT↓MKAC	B	100	0-20	0-20	0-20	50-100 20-50	1X or 2X	
Homing & Nicking Enzymes										
I-SceI	I-SceI	TAGGGATAA↓CAGGGTAAT	Tango™	50-100	50-100	50-100	50-100	100 50-100	1X or 2X	
Nb.Bpu10I	Nb.Bpu10I	CG↓TNAG	R	0-20	20-50	20-50	100	20-50 50-100	1X or 2X	