



pTA Plus

T3 promoter -->
 BstXI
EagI
SacI
SacII
NotI
 GCAATTAACCCTCACTAAAGGGAACAAAAGCTGGAGCTCCACCGCGGTGGCGGCCGCTCT
 CGTTAATTGGGAGTGATTTCCCTTGTTTTTCGACCTCGAGGTGGCGCCACCGCCGCGAGA

SmaI
SrfI
XcmI
 AGCCCCGGGCGGATCTCCAGTCATCGACTGGATGGTGAGCAAGGGCGAGGAGCTGTTCCACC
 TCGGGCCCGCCTAGAGGTGAGTAGCTGACCTACCACTCGTTCCCGCTCCTCGACAAGTGG
METValSerLysGlyGluGluLeuPheThr

BamHI
 GGGGTGGTGCCC...**717 bp**...ACCGGATCCAGC...GCCGCCGGGATCACTCTCGGC
 CCCCACCACGGG...**239 aa**...TGGCCTAGGTTCG...CGGCGGCCCTAGTGAGAGCCG
 GlyValValPro **eGFP** ThrGlySerSer AlaAlaGlyIleThrLeuGly

HindIII
XcmI
EcoRI
EcoRV
ClaI
 ATGGACGAGCTGTACAAGTAACCAGTCGATGACTGGGAATTCGATATCAAGCTTATCGAT
 TACCTGCTCGACATGTTTCATTGGTCAGCTACTGACCCTTAAGCTATAGTTCGAATAGCTA
 MetAspAspLeuTyrLys

SalI
XhoI
ApaI
KpnI
<-- T7 promoter
 ACCGTCGACCTCGAGGGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACGC
 TGGCAGCTGGAGCTCCCCCGGGCCATGGGTTAAGCGGGATATCACTCAGCATAATGCG

Single cutters listed by Site Order

227	DraIII	684	ClaI	1476	Eco52I	1495	Ecl136II
328	Eco56I	689	HindIII	1476	EagI	1497	SacI
330	NaeI	697	EcoRV	1476	NotI	1497	SstI
653	Asp718I	701	EcoRI	1476	XmaIII	1775	SapI
653	Acc65I	727	Bsp1407I	1486	Mlu113I	2307	AlwNI
657	KpnI	1069	BamHI	1488	SacII	2784	Eam1105I
663	ApaI	1464	XmaI	1488	SstII	2845	Eco31I
668	XhoI	1466	SrfI	1489	BstXI	3264	ScaI
670	SciI	1466	SmaI	1495	EcoICRI	3383	XmnI
674	SalI						

Non Cutting Enzymes

AatII	AccIII	AflII	AgeI	ApaBI	AscI
AsuII	AvrII	BalI	BbeI	BbvII	BclI
BglII	Bpu1102I	Bsc91I	BsmI	BspMI	BspMII
BstEII	Bsu36I	Csp45I	CspI	CvnI	Eco47III
Eco72I	EcoNI	EheI	EspI	FseI	HpaI
I-PpoI	MfeI	MluI	MscI	MstII	NarI
NcoI	NdeI	NheI	NruI	NsiI	PacI
PflMI	PinAI	PmaCI	PmeI	PstI	RleAI
SauI	SfiI	SgrAI	SnaBI	SpeI	SphI
SplI	SpoI	StuI	SunI	SwaI	Tth111I
XbaI					