



pETM-12

T7 promoter --> XbaI
GAAATTAATACGACTCACTATAGGGAGACCACAACGGTTTCCCTCTAGAAATAATTTTGT
CTTTAATTATGCTGAGTGATATCCCTCTGGTGTGCCAAAGGGAGATCTTTATTAACA

rbs His-tag
TTAACTTTAAGAAGGAGATATAC**ATG**AAACATCACCATCACCATCACCCCATGAGCGGC
AATTGAAATTCTTCTCTATATGGTACTTTGATGTGGTAGTGGTAGTGGGGTACTCGCCG
METLysHisHisHisHisHisHisProMetSerGly

NcoI
Thrombin-site
CTGGTGCCGCGC GGCACC**ATGG**GCCAGATAGAGCCC...**759bp**...GAGCAGGCCGAG
GACCACGGC GCG CCGTGGTACCCGGTCTATCTCGGG...**ABD**...CTCGTCCGGCTC
LeuValProArg|GlyThr**MET**GlyGlnIleGluPro...**253aa**...GluGlnAlaGlu

KpnI NotI SacI BamHI
ACAGCGGCTAACAGGTGAGGTACCGCGGCCGCGAGCTCGGATCCGGCTGCTAACAAAGCC
TGTCGCCGATTGTCCACTCCATGGCGCCGCGCTCGAGCCTAGGCCGACGATTGTTTCGG
ThrAlaAlaAsnArg***

Single Cutters Listed by Site Order

229	NheI	529	SstII	1339	NcoI	3187	PvuII
458	EspI	530	Acc65I	1364	XcmI	3341	Tth111I
458	Bpu1102I	530	Asp718I	1432	XbaI	3480	SapI
510	BamHI	534	KpnI	1457	Eco31I	3769	BsiI
518	EcoICRI	598	SplI	1490	BglII	4012	AlwNI
518	Ecl136II	598	SunI	1531	SgrAI	4396	XhoI
520	SacI	1130	AflII	1687	SphI	4398	SciI
520	SstI	1185	MstII	1772	SalI	4670	XmaI
523	NotI	1185	SauI	2173	ApaBI	4672	SmaI
527	Mlu113I	1185	CvnI	2567	BalI	4798	XorII
529	SacII	1185	Bsu36I	2567	MscI	4798	PvuI

Non Cutting Enzymes

AatII	AgeI	AhaIII	ApaI	AscI	AsuII
AvrII	BclI	Bsp1407I	BssHII	BstEII	BstXI
Csp45I	CspI	DraI	DraIII	Eam1105I	Eco72I
EcoRI	FseI	HpaI	I-PpoI	MfeI	MluI
NdeI	PacI	PinAI	PmaCI	PmeI	PstI
RleAI	ScaI	SfiI	SnaBI	SpeI	SrfI
StuI	SwaI				