



pETM-41

T7 promoter --> XbaI
GAAATTAATACGACTCACTATAGGGAGACCACAACGGTTTCCCTCTAGAAATAATTTTGTTTA
CTTTAATTATGCTGAGTGATATCCCTCTGGTGTGCCAAAGGGAGATCTTTATTAACAACAAAT

rbs His-tag
ACTTTAAGAAGGAGATATAACCATGAAACATCACCATCACCATCACCCCATGAAAATCGAAGAA
TGAAATTCCTCTATATGGTACTTTGTAGTGGTAGTGGTAGTAGGGTACTTTTAGCTTCTT
METLysHisHisHisHisHisHisHisProMETLysIleGluGlu

GGTAAACTGGTA...**1056bp**...CTGAAAGACGCGCAGACTAATTCGAGCTCGAACAACAAC
CCATTTGACCAT...**MBP**...GACTTTCTGCGCGTCTGATTAAGCTCGAGCTTGTTGTTG
GlyLysLeuVal...**352aa**...LeuLysAspAlaGlnThrAsnSerSerSerAsnAsnAsn

TEV-site NcoI
AACAATAACAATAACAACAACCCCATGAGCGAGAATCTTTATTTTCAG GGCGCC**ATGG**ACTAA
TTATTGTTATTGTTGTTGTTGGGGTACTCGCTCTTAGAAATAAAAGTC CCGCGGTACCTGATT
AsnAsnAsnAsnAsnAsnAsnProMETSerGluAsnLeuTyrPheGln | GlyAla**MET**Ala***

SacII
KpnI NotI BamHI
TGAGGTACCGCGGCCGCGAGCTCGGATCCGGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTG
ACTCCATGGCGCCGCGCTCGAGCCTAGGCCGACGATTGTTTCGGGCTTTCCTTCGACTCAAC

Single Cutters Listed by Site Order

79	NheI	394	NcoI	1891	SphI	3973	BsiI
360	BamHI	526	BclI	1976	SalI	4600	XhoI
373	NotI	1132	BssHII	2771	BalI	4602	SciI
377	Mlu113I	1191	BstXI	2771	MscI	4693	ClaI
379	SacII	1278	SplI	3358	XmnI	4874	XmaI
379	SstII	1278	SunI	3391	PvuII	4876	SmaI
380	Acc65I	1415	RleAI	3545	Tth111I	4927	SspI
380	Asp718I	1636	XbaI	3684	SapI	5120	HindIII
384	KpnI	1735	SgrAI	3733	BstD102I		

Non Cutting Enzymes

AatII	AflII	AgeI	AhaIII	ApaI	AscI
AsuII	AvrII	Bsp1407I	BstEII	Bsu36I	Csp45I
CspI	CvnI	DraI	DraIII	Eam1105I	Eco72I
EcoRI	FseI	HpaI	I-PpoI	MfeI	MluI
MstII	NdeI	PacI	PinAI	PmaCI	PmeI
PstI	SauI	ScaI	SfiI	SnaBI	SpeI
SrfI	StuI	SwaI	XcmI		