



pETG-10A

T7 promoter --> Lac operator XbaI
CGAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAA
GCTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGAGATCTTT

His-tag
TAATTTTGTTTAACTTTAAGAAGGAGATATAACC**ATG**AAACATCACCATCACCATCACCCC
ATTAAACAAATTGAAATTCTTCCTCTATATGGTACTTTGTAGTGGTAGTGGTAGTGGGG
METLysHisHisHisHisHisHisPro

attR1 -->
ATG**ACAAGTTT**GTACAAAAAAGCTGAACGAGAAACGTAAAATGATATAAAATATCAATATA
TACT**GTTCAAACATGTT**TTTTTCGACTTGCTCTTTGCATTTTACTATATTTATAGTTATAT
MetThrSerLeuTyr**LysLys**AlaGluArgGluThr***

TTAAATTAGATTTTGCATAAA.....**1574bp**.....TTGATATTTATATCATTTTAC
AATTTAATCTAAAAGCTATTT...**Cam®**....**ccdB**...AACTATAAATATAGTAAAATG

<-- attR2 His-tag
GTTTCTCGTTCAGCTTT**CTTGTA**CAAAGTGGTGACTCGAGCACCACCACCACCACCCTG
CAAAGAGCAAGTCGAAAGAACATG**TTTCACCA**CTGAGCTCGTGGTGGTGGTGGTGGTGAC

Single Cutters Listed by Site Order

80	Bpu1102I	552	SrfI	2002	BglII	3174	EcoRV
80	EspI	1118	NcoI	2043	SgrAI	3230	HpaI
158	XhoI	1419	EcoRI	2199	SphI	4570	Tth111I
160	SciI	1739	EagI	2259	EcoNI	4709	SapI
291	SalI	1739	NotI	2408	ApaBI	5718	Eam1105I
304	BspMI	1739	XmaIII	2738	BclI	6088	PvuI
550	XmaI	1739	Eco52I	2905	BstEII	6088	XorII
552	SmaI	1936	XbaI	2935	ApaI	6861	DraIII

Non Cutting Enzymes

AatII	Acc65I	AflIII	AgeI	AscI	Asp718I
AsuII	AvrII	Bsu36I	ClaI	Csp45I	CspI
CvnI	Ecl136II	Eco72I	EcoICRI	FseI	HindIII
I-PpoI	KpnI	MfeI	Mlu113I	MstII	NdeI
NheI	NruI	NsiI	PacI	PinAI	PmaCI
PmeI	RleAI	SacI	SacII	SauI	SfiI
SnaBI	SpeI	SplI	SpoI	SstI	SstII
StuI	SunI	SwaI			