



Source: Arie Geerlof
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pETG-22A

T7 promoter --> Lac operator XbaI
GAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAAT
CTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGAGATCTTTA

rbs
AATTTTGTTTAACTTTAAGAAGGAGATATACAT**ATG**AGCGATAAAATTATTCACCTGACT
TTAAAACAAATTGAAATTCTTCCTCTATATGTATACTCGCTATTTTAATAAGTGGACTGA
METSerAspLysIleIleHisLeuThr

Strep-tag
GACGACAGT...**297bp**...GGTTCTGGCCATATGTGGAGCCACCCGCAGTTCGAAAAA
CTGCTGTCA...**TrxA**...CCAAGACCGGTATACACCTCGGTGGGCGTCAAGCTTTTT
AspAspSer...**99aa**...GlySerGlyHisMetTrpSerHisproGlnPheGluLys

KpnI attR1 -->
GGTACCATG**ACAAGTTT**GTACAAAAAGCTGAACGAGAAACGTAAAATGATATAAATATC
CCATGGTAC**TGTTCAAACATGTT**TTTTCGACTTGCTCTTTGCATTTTACTATATTTATAG
SerSerMetThrSerLeuTyr**LysLys**AlaGluArgGluThr***

AATATATTAATTAGATTTTGCATAAA.....**1574bp**.....TTGATATTTATATCA
TTATATAATTTAATCTAAAAGCTATTT...**Cam®**...**ccdB**...AACTATAAATATAGT

<-- attR2 His-tag
TTTTACGTTTCTCGTTCAGCTTT**CTTGTACAAAGTGGT**GACTCGAGCACCACCACCACCAC
AAAATGCAAAGAGCAAGTCGAAAGAACATG**TTTCACCA**CTGAGCTCGTGGTGGTGGTGGT

Single Cutters Listed by Site Order

80	EspI	1419	EcoRI	2067	ClaI	3287	ApaI
80	Bpu1102I	1739	NotI	2148	CspI	3526	EcoRV
158	XhoI	1739	XmaIII	2288	XbaI	3582	HpaI
160	SciI	1739	EagI	2354	BglII	4922	Tth111I
291	SalI	1739	Eco52I	2395	SgrAI	5061	SapI
304	BspMI	1874	Acc65I	2551	SphI	6070	Eam1105I
550	XmaI	1874	Asp718I	2611	EcoNI	6440	XorII
552	SmaI	1878	KpnI	2760	ApaBI	6440	PvuI
552	SrfI	1884	Csp45I	3090	BclI	7213	DraIII
1118	NcoI	1884	AsuII	3257	BstEII		

Non Cutting Enzymes

AatII	AflII	AgeI	AscI	AvrII	Bsu36I
CvnI	Ecl136II	Eco72I	EcoICRI	FseI	HindIII
I-PpoI	MfeI	Mlu113I	MstII	NheI	NruI
NsiI	PacI	PinAI	PmaCI	PmeI	RleAI
SacI	SacII	SauI	SfiI	SnaBI	SpeI
SplI	SpoI	SstI	SstII	StuI	SunI
SwaI					