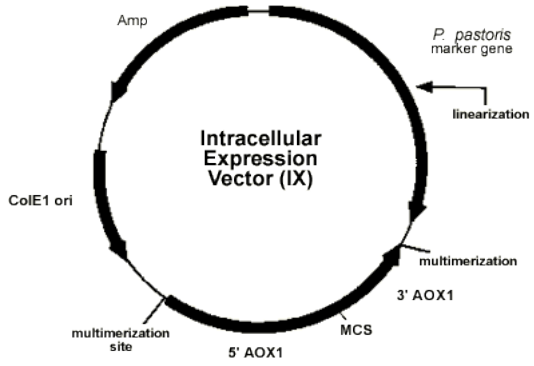
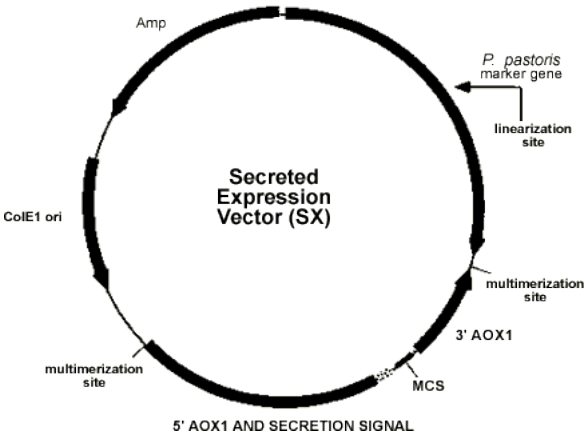
Pichia pastoris strains & vectors available from KGI

Table 1	
Auxotrophic mutant host strains of *P. pastoris*	
Strain	**Genotype**
JC220	*ade1*
GS190	*arg4*
GS115	*his4*
JC254	*ura3*
JC227	*ade1 arg4*
JC304	*ade1 his4*
JC305	*ade1 ura3*
GS200	*arg4 his4*
JC306	*arg4 ura3*
JC307	*his4 ura3*
JC300	*ade1 arg4 his4*
JC301	*ade1 his4 ura3*
JC302	*ade1 arg4 ura3*
JC303	*arg4 his4 ura3*
JC308	*ade1 arg4 his4 ura3*





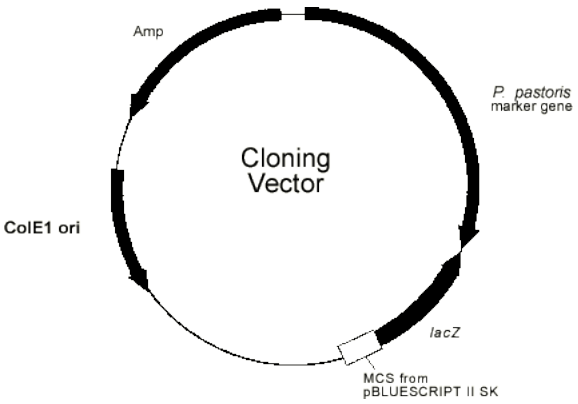


Table 2
New vectors for expression of foreign genes in *P. pastoris*

A. Cloning Vectors		
Name	Marker Gene	*MCS
pBLADE	ADE1	A
pBLARG	ARG4	A
pBLHIS	HIS4	A
pBLURA	URA3	A

B. Expression Vectors					
Name	Marker Gene	*MCS	Secretional signal	Multimerization sites	Linearization sites
pBLADE-IX	ADE1	B	None	*SalI/XhoI*	*XbaI/EcoNI*
pBLADE-SX	ADE1	C	MATa	*BamHI/BglII*	*SpeI/EcoNI*
pBLARG-IX	ARG4	B	None	*NheI/SpeI*	*AvrII/BglII*
pBLARG-SX	ARG4	C	MATa	*NheI/SpeI*	*AvrII/BglII*
pBLHIS-IX	HIS4	D	None	*BamHI/BglII*	*StuI/NheI*
pBLHIS-SX	HIS4	C	MATa	*BamHI/BglII*	*StuI/NheI*
pBLURA-IX	URA3	B	None	*NheI/SpeI*	*NcoI/SalI*
pBLURA-SX	URA3	C	MATa	*NheI/SpeI*	*NcoI/SalI*

***MCS (Multiple Cloning Sites)**

Multiple Cloning Sites		
Code	Source	Sites

A	pBluescript II SK-	*SacI, BstXI, SacII, NotI, EagI, XbaI, SpeI,BamHI, SmaI, PstI, EcoRI, EcoRV, HindIII,ClaI, HincII, AccI, SalI, XhoI, Eco109I, DraII, ApaI, KpnI*
B	pAO815	*EcoRI*
C	pPICZa B	*ClaI, PstI, EcoRI, PmlI,SfiI, BsmBI, Asp718I, KpnI, XhoI, SacII, NotI, XbaI*
D	pPICZ B	*BstBI, EcoRI, PmlI, SfiI, BsmBI, Asp718I,KpnI,XhoI, SacII, NotI, XbaI*

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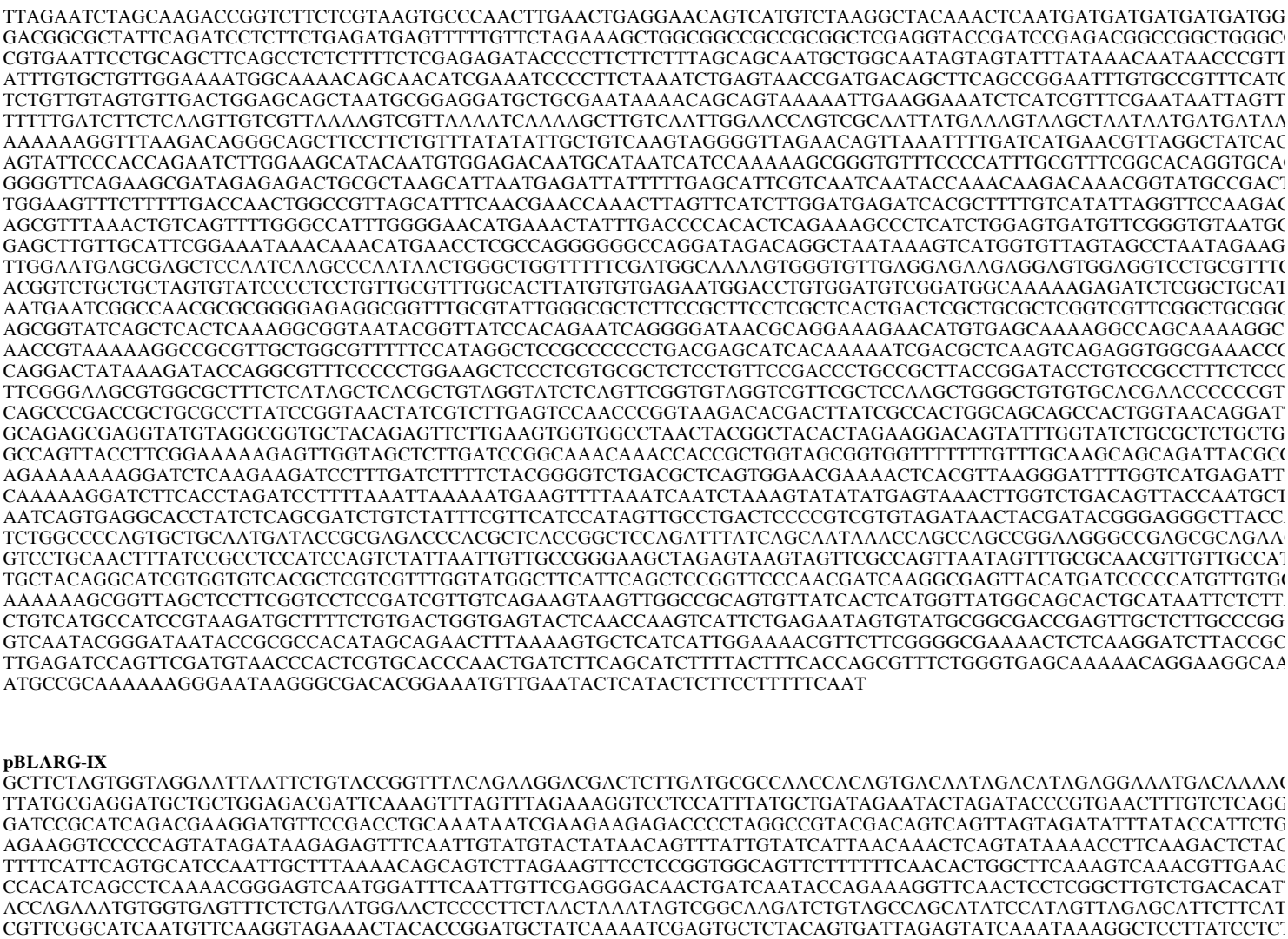

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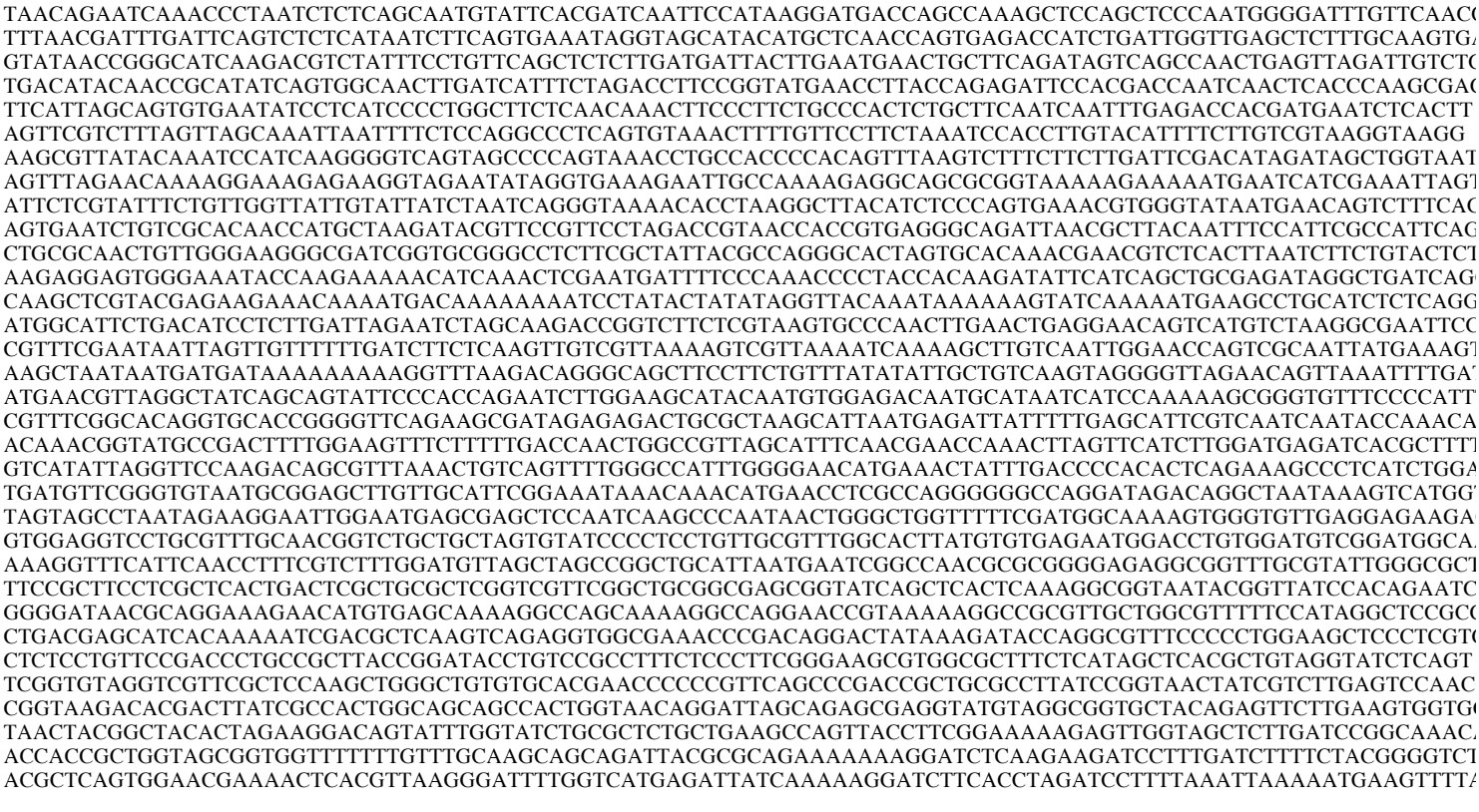

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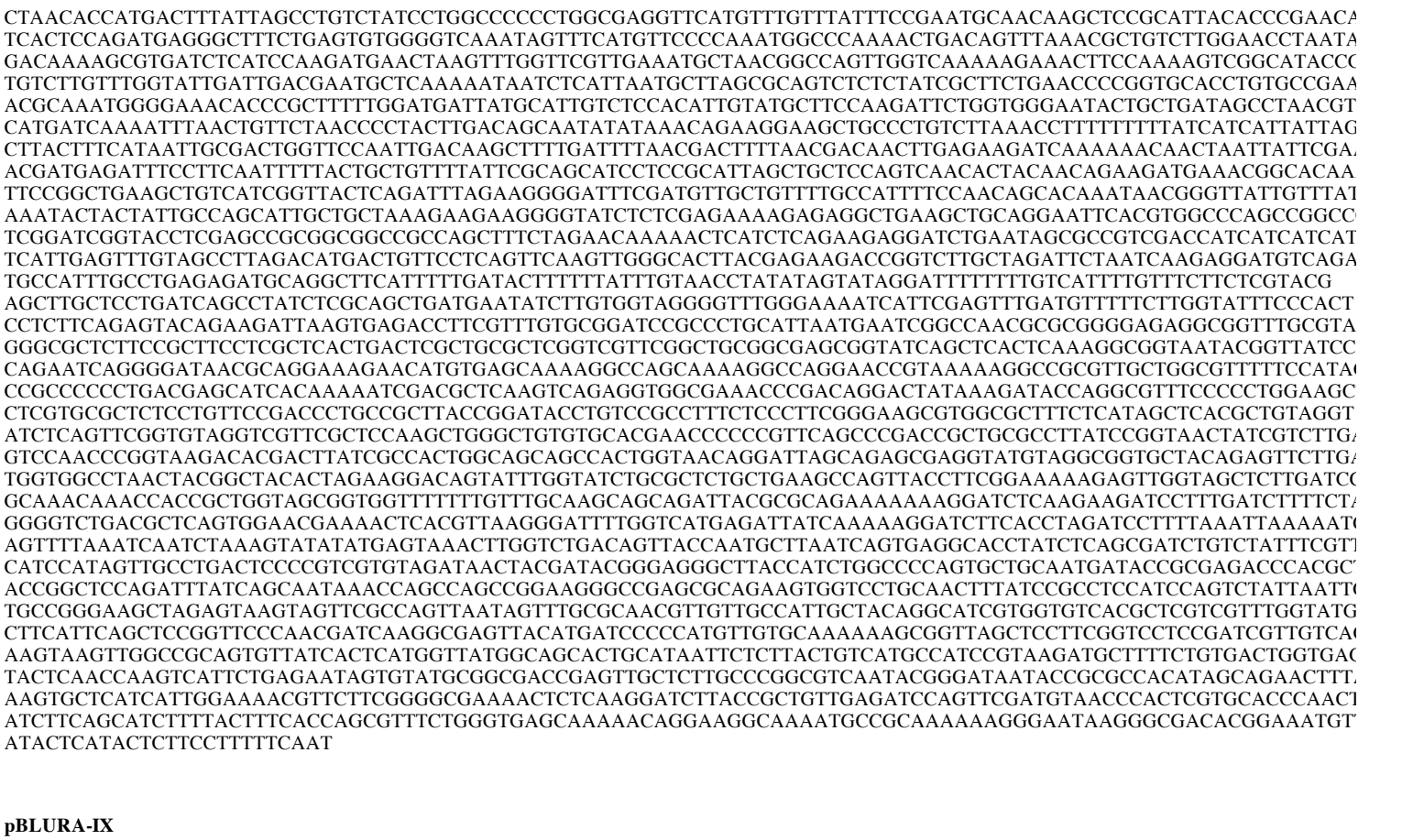

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