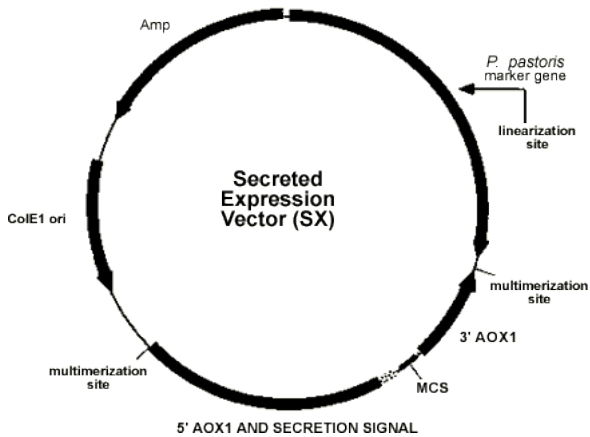
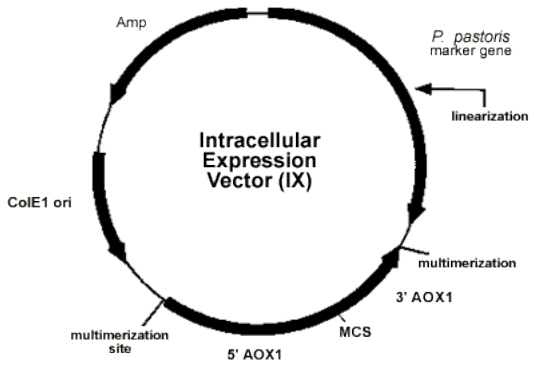


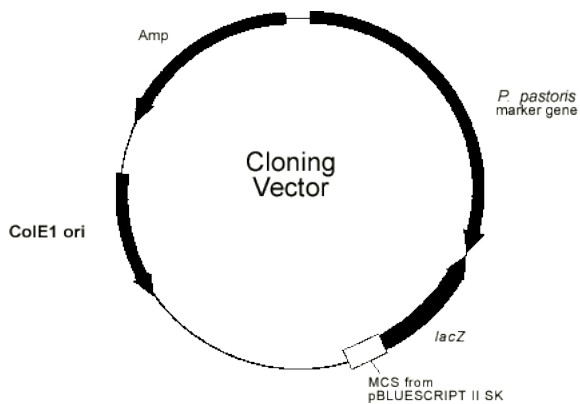
*Pichia pastoris* strains & vectors available from KGI

**Table 1**

Auxotrophic mutant host strains of *P. pastoris*

Strain	Genotype
JC220	<i>ade1</i>
GS190	<i>arg4</i>
GS115	<i>his4</i>
JC254	<i>ura3</i>
JC227	<i>ade1 arg4</i>
JC304	<i>ade1 his4</i>
JC305	<i>ade1 ura3</i>
GS200	<i>arg4 his4</i>
JC306	<i>arg4 ura3</i>
JC307	<i>his4 ura3</i>
JC300	<i>ade1 arg4 his4</i>
JC301	<i>ade1 his4 ura3</i>
JC302	<i>ade1 arg4 ura3</i>
JC303	<i>arg4 his4 ura3</i>
JC308	<i>ade1 arg4 his4 ura3</i>





**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
<a href="#">pBLADE-IX</a>	ADE1	B	None	<i>Sall/XhoI</i>	<i>XbaI/EcoNI</i>
<a href="#">pBLADE-SX</a>	ADE1	C	MATa	<i>BamHI/BglII</i>	<i>SpeI/EcoNI</i>
<a href="#">pBLARG-IX</a>	ARG4	B	None	<i>NheI/SpeI</i>	<i>AvrII/BglII</i>
<a href="#">pBLARG-SX</a>	ARG4	C	MATa	<i>NheI/SpeI</i>	<i>AvrII/BglII</i>
<a href="#">pBLHIS-IX</a>	HIS4	D	None	<i>BamHI/BglII</i>	<i>StuI/NheI</i>
<a href="#">pBLHIS-SX</a>	HIS4	C	MATa	<i>BamHI/BglII</i>	<i>StuI/NheI</i>
<a href="#">pBLURA-IX</a>	URA3	B	None	<i>NheI/SpeI</i>	<i>NcoI/Sall</i>
<a href="#">pBLURA-SX</a>	URA3	C	MATa	<i>NheI/SpeI</i>	<i>NcoI/Sall</i>

\*MCS (Multiple Cloning Sites)

Multiple Cloning Sites		
Code	Source	Sites

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

**pBLADE-IX**

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**pBLADE-SX**

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**pBLARG-IX**

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