



**GenScript**

Make Research Easy

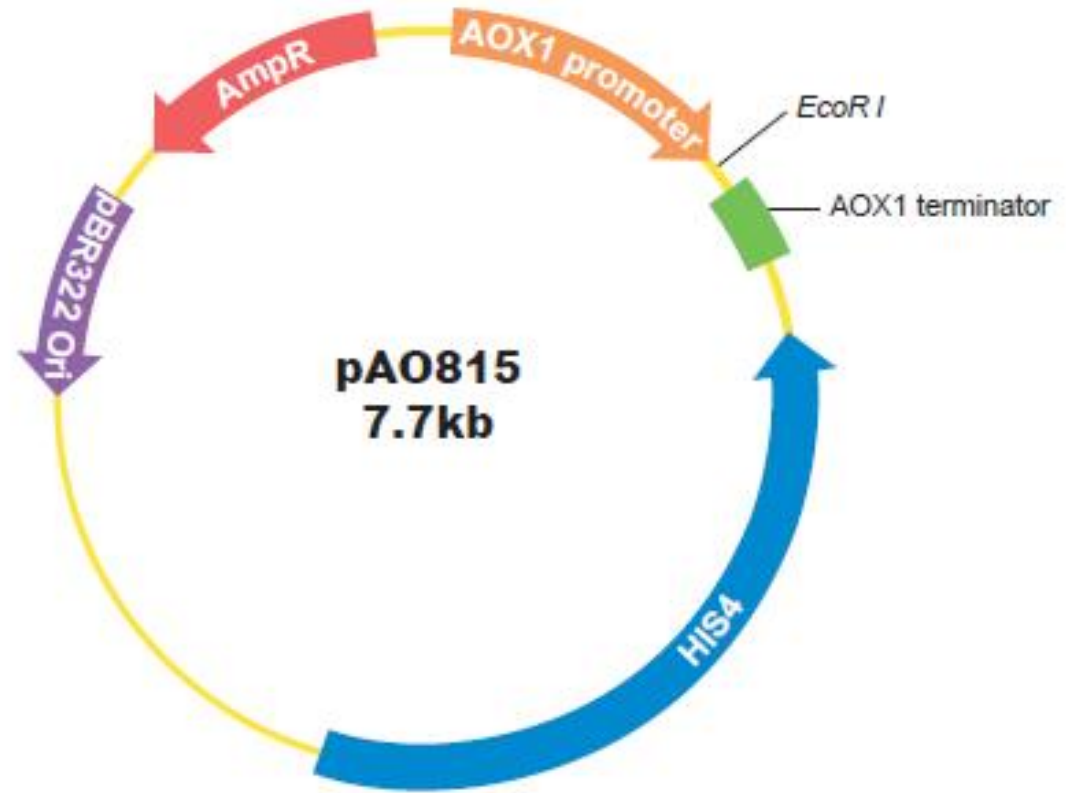
# LISTA DE VETORES DE EXPRESSÃO

Vetores para expressão em Levedura.

# VETORES DE EXPRESSÃO EM LEVEDURA

|           |             |
|-----------|-------------|
| pAO815    | pPICZalphaA |
| pPIC 3.5K | pPICZalphaB |
| pPIC9     | pPICZalphaC |
| pPIC9K    | pESC-TRP    |
| pPICZA    | pESC-URA    |
| pPICZB    | pESC-HIS    |
| pPICZC    | pESC-LEU    |

# pA0815

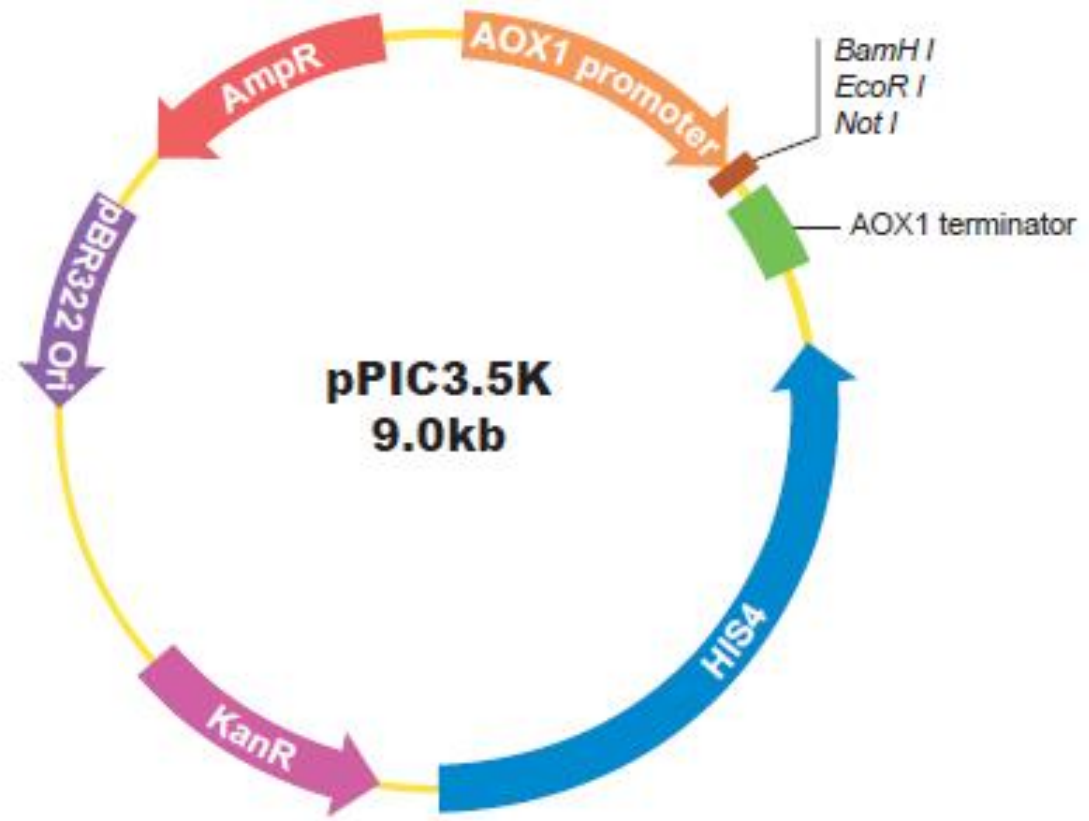


AOX1 promoter → *EcoRI*

--- CAACTAATTA TTCGAAACGA GGAATTCGCC TTAGACATGA CTGTTCTCA GTTCAAGTTG GGCACCTACG  
Stop

AGAAGACCGG TCTTGCTAGA TTCTAATCAA GAGGATGTCA GAATGCCATT TGCCTGAGAG ATGCAGGCTT ---  
Stop AOX1 Terminator

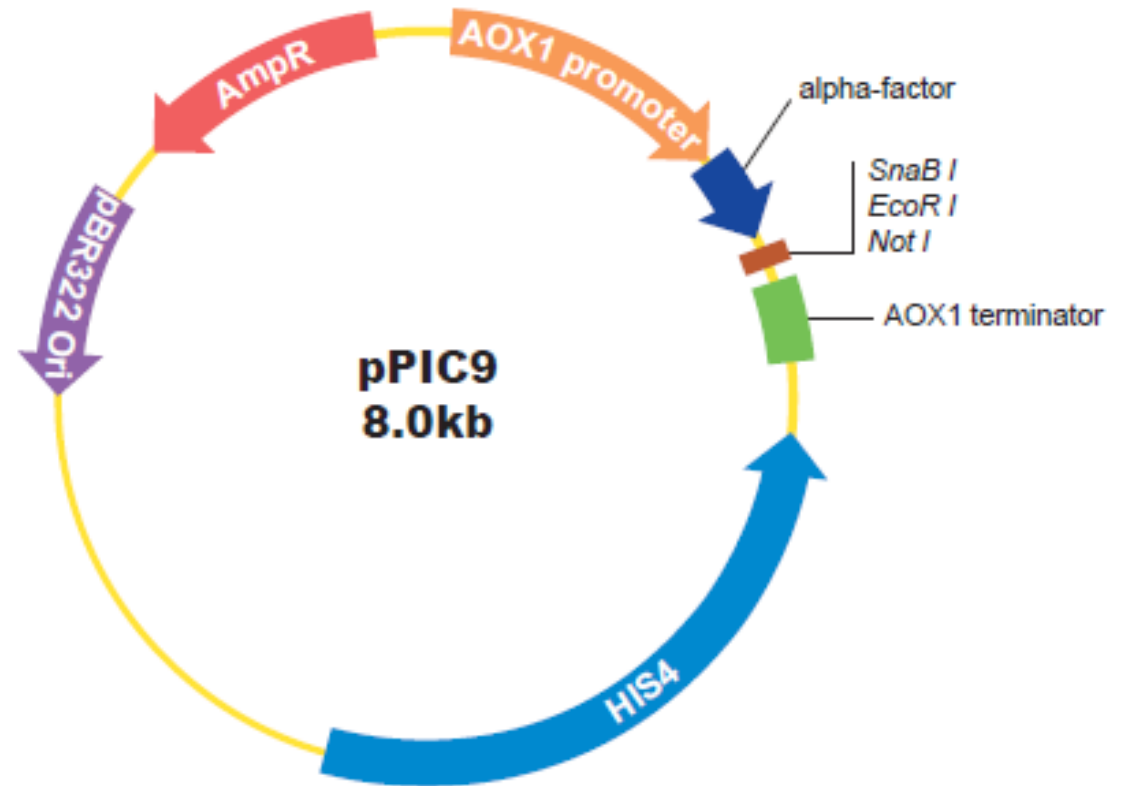
# pPIC 3.5K



AOX1 promoter → BamHI EcoRI NotI  
--- CAACTAATTA TTCGAAGGAT CCTACGTAGA ATTCCCTAGG GCGGCCGCGA ATTAATTCGC CTTAGACATG ACTGTCCTC  
Stop Stop Stop

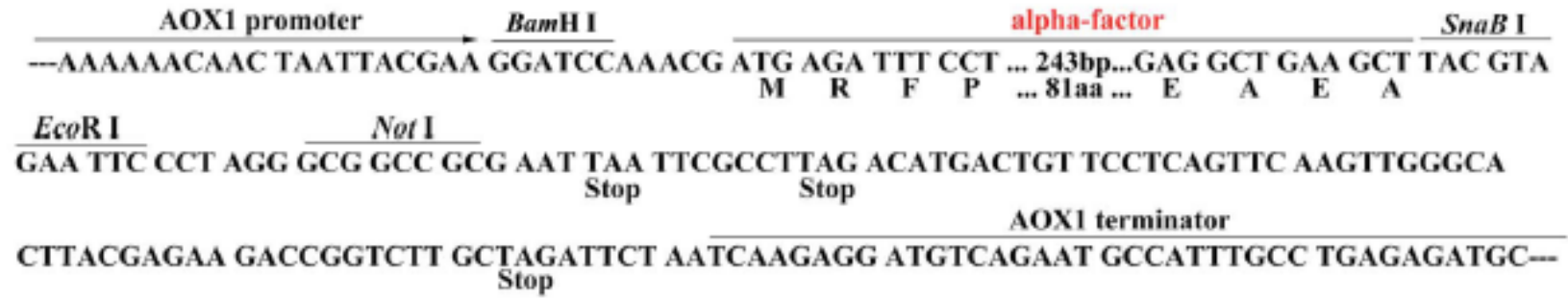
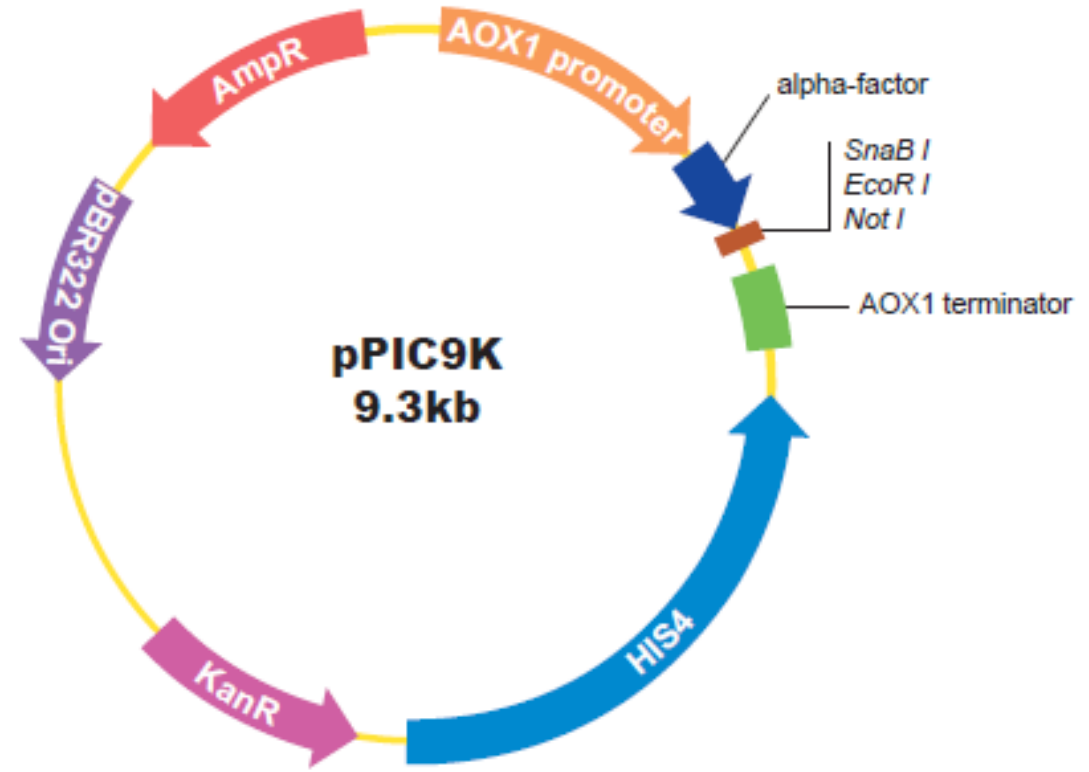
AGTTCAAGTT GGGCACTTAC GAGAAGACCG GTCTTGCTAG ATTCTAATCA AGAGGATGTC AGAATGCCAT TTGCCTGAGA ---  
AOX1 Terminator

# pPIC9

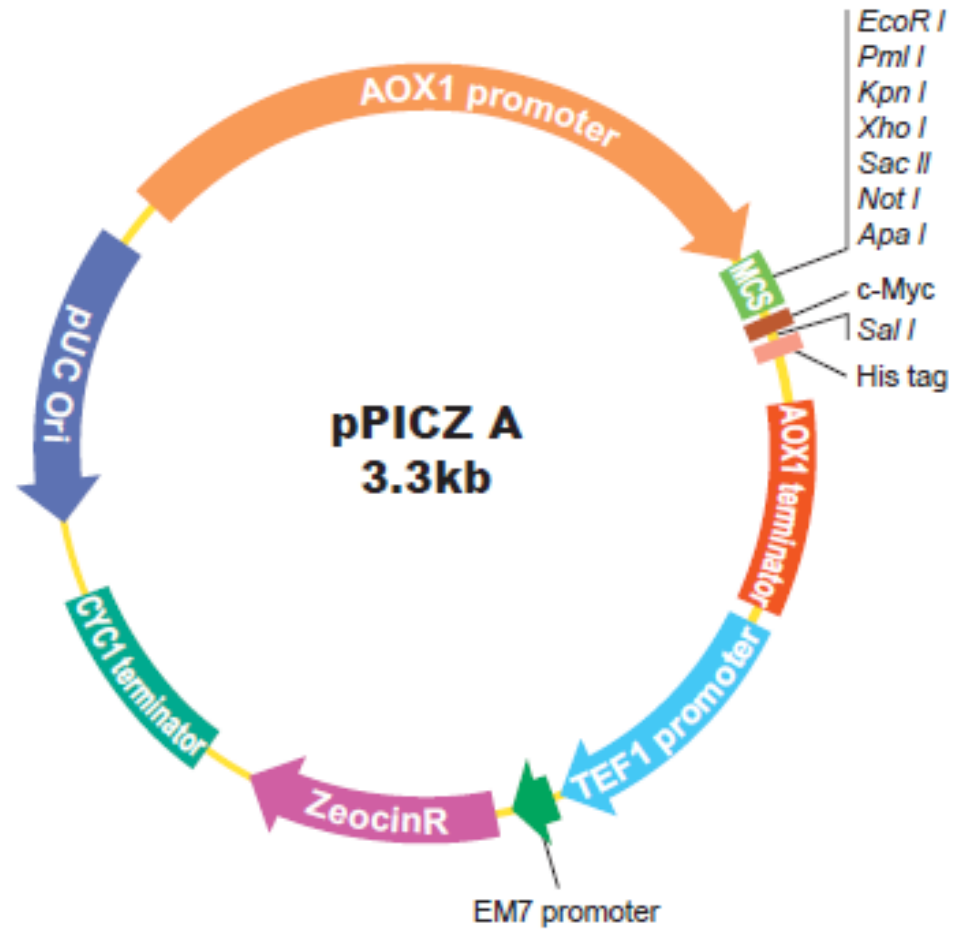


AOX1 promoter → BamH I → alpha-factor → SnaB I  
--AAAAACAAC TAATTACGAA GGATCCAAACG ATG AGA TTT CCT ... 243bp...GAG GCT GAA GCT TAC GTA  
M R F P ... 81aa ... E A E A  
EcoR I Not I  
GAA TTC CCT AGG GCG GCC GCG AAT TAA TTCGCCTTAG ACATGACTGT TCCTCAGTTC AAGTTGGGCA  
Stop Stop  
AOX1 terminator  
CITACGAGAA GACCGGTCTT GCTAGATTCT AATCAAGAGG ATGTCAGAAT GCCATTTGCC TGAGAGATGC--  
Stop

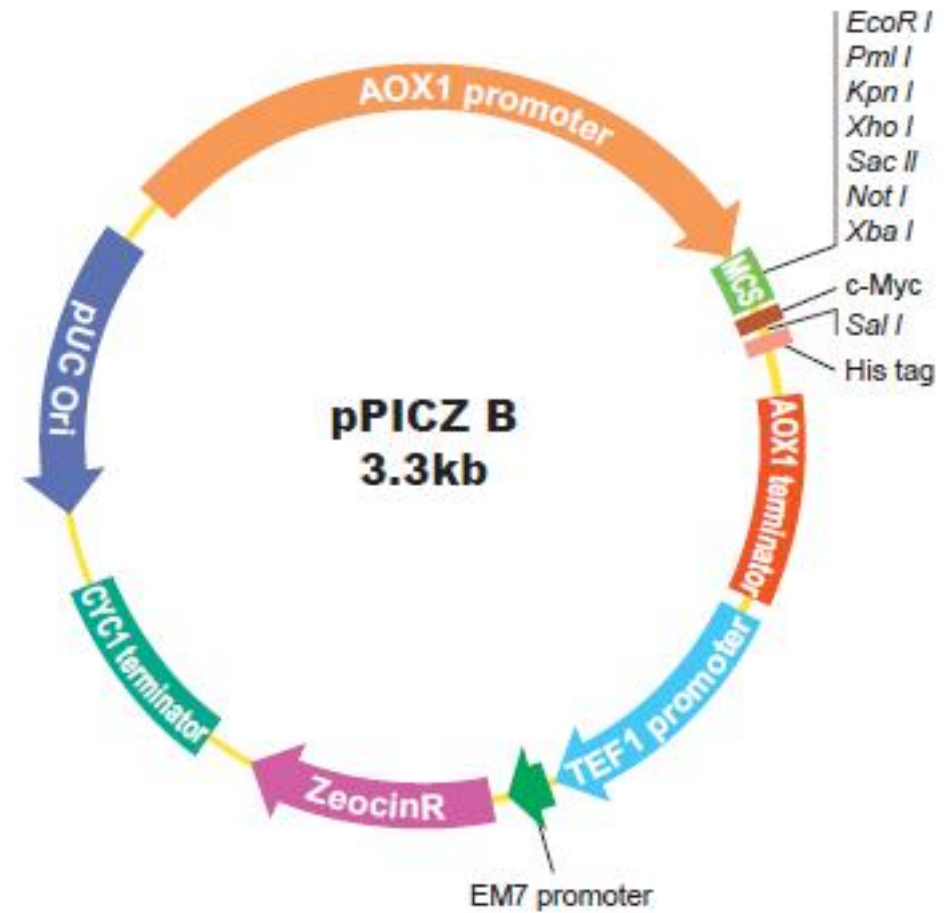
# pPIC9K



# pPICZA



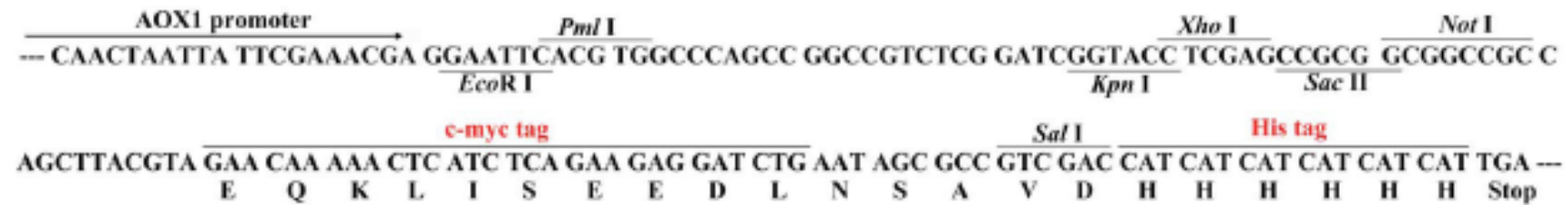
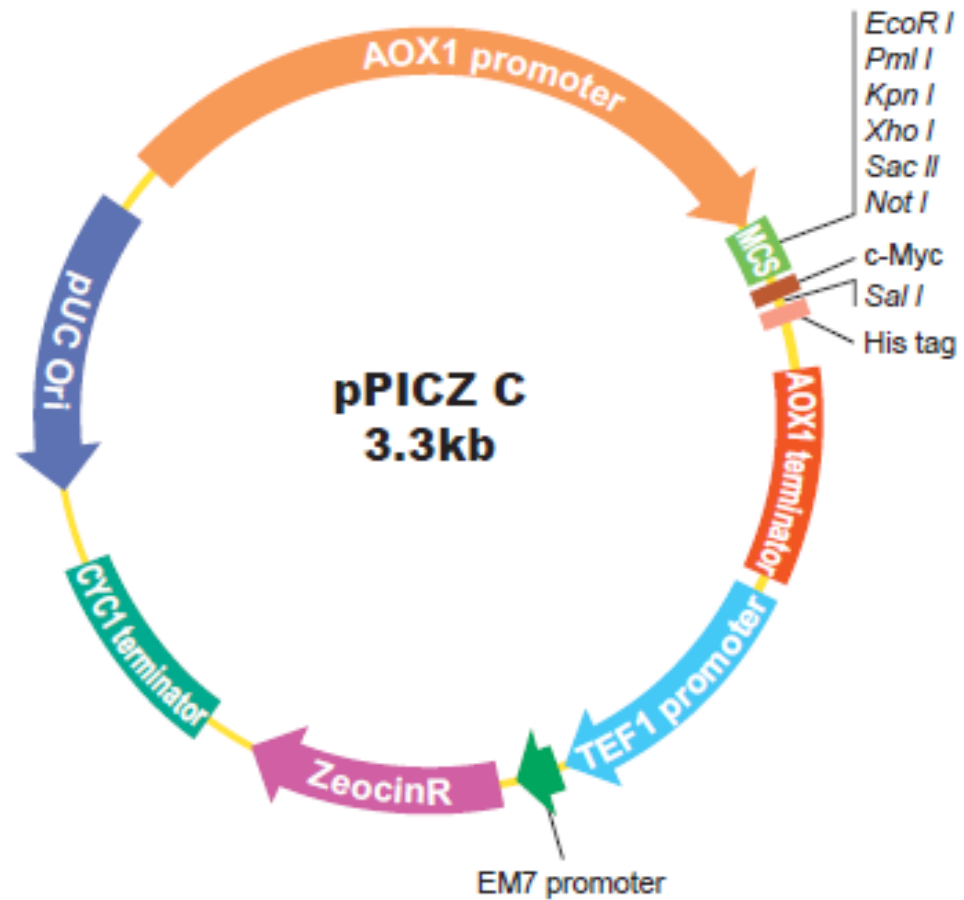
# pPICZB



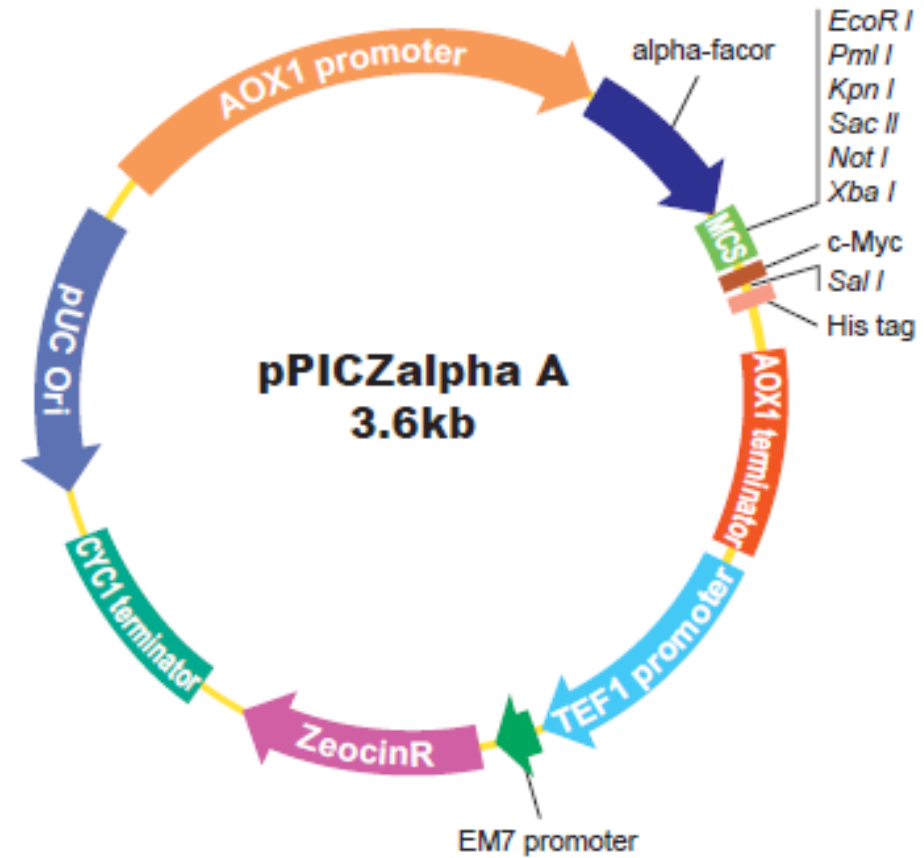
AOX1 promoter → Pml I Xho I Not I  
 --- CAACTAATTA TTCGAAACGA GGAATTCACG TGGCCCAGCC GGCCGTCCTCG GATCGGTACC TCGAGCCCGCG GCGGCCGC  
 EcoR I Kpn I Sac II  
 c-myc tag Sal I His tag  
 CAGCTTTCTA GAA CAA AAA CTC ATC TCA GAA GAG GAT CTG AAT AGC GCC GTC GAC CAT CAT CAT CAT CAT CAT TGA ---  
 Xba I E Q K L I S E E D L N S A V D H H H H H H Stop



# pPICZC



# pPICZalphaA

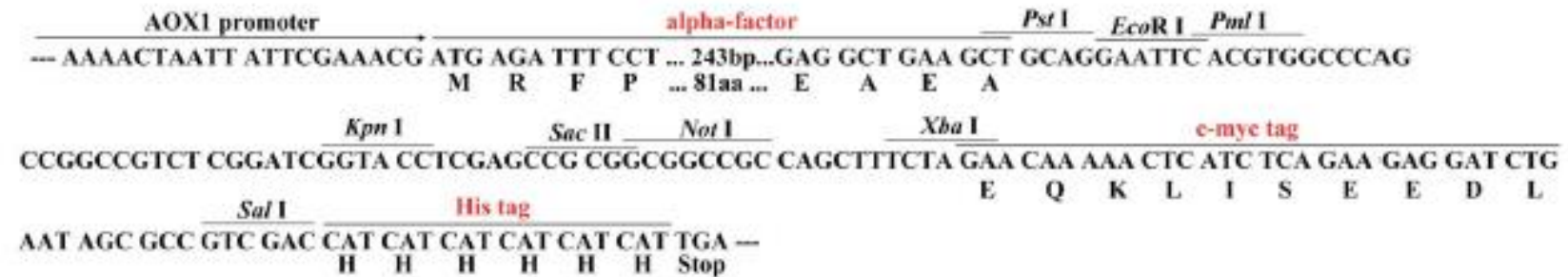
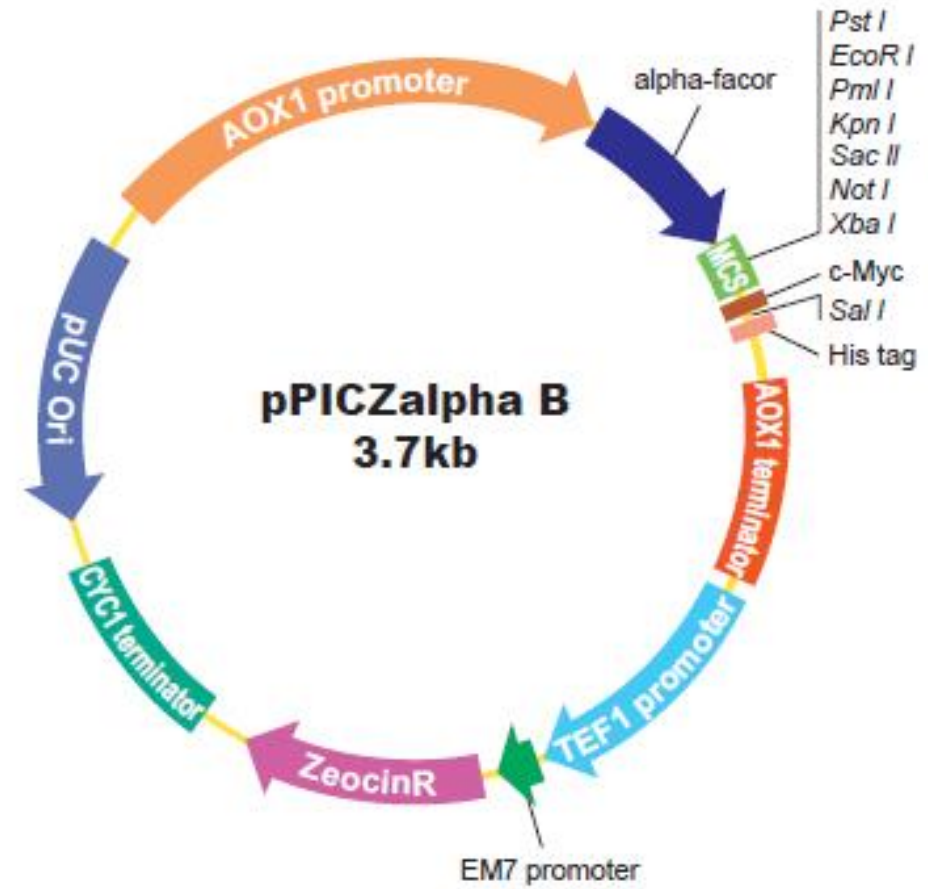


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AOX1 promoter      alpha-factor      EcoR I Pml I
-- AAAACTAATT ATTCGAAACG ATG AGA TTT CCT ... 243bp...GAG GCT GAA GCT GAATTCACGT GGCCCAGCCG GCCGTCT
                               M  R  F  P  ... 81aa ...  E  A  E  A

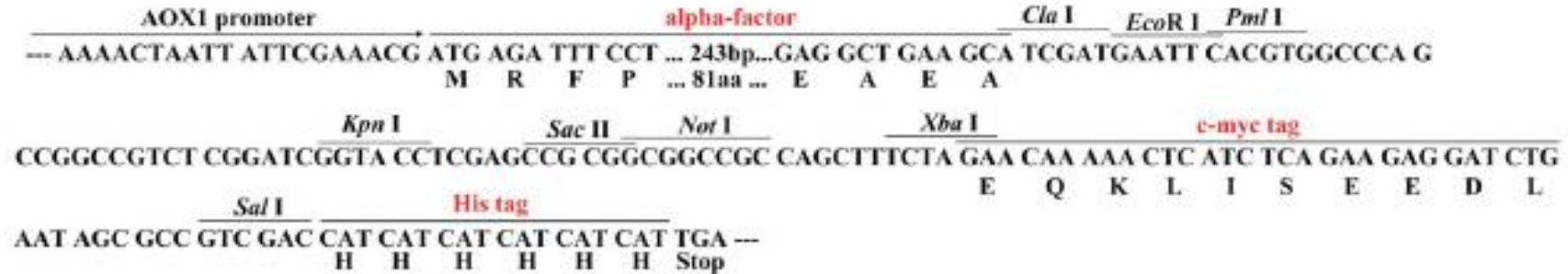
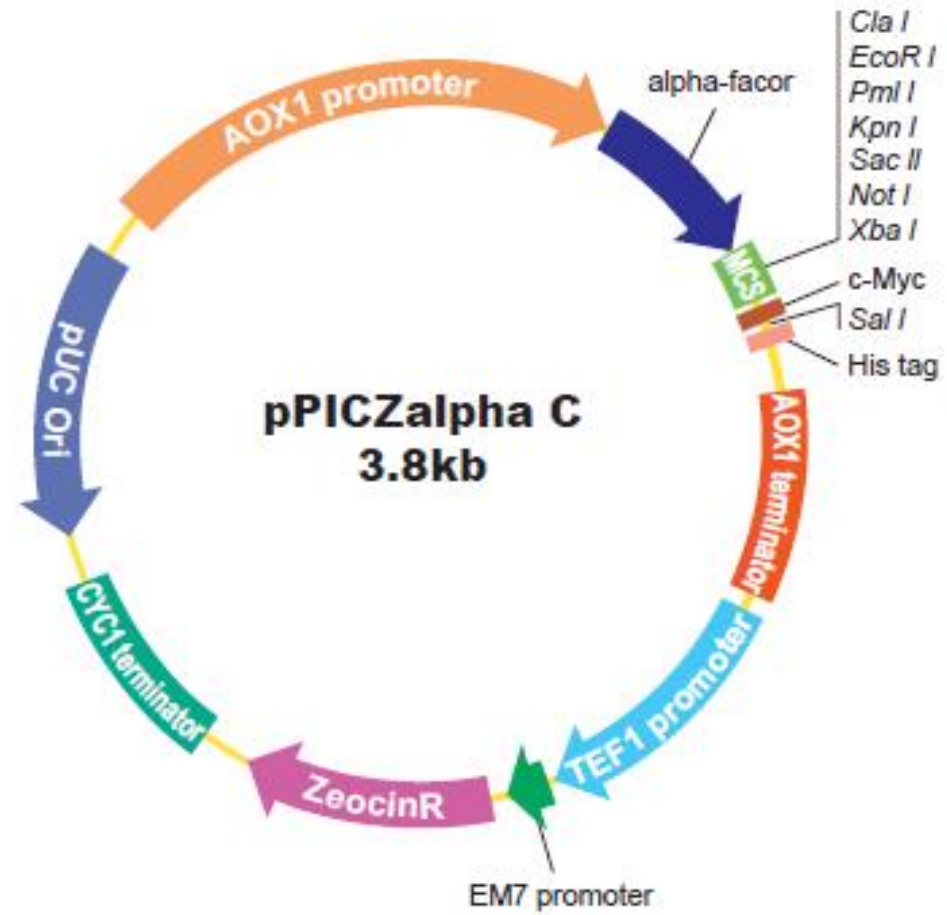
      Kpn I      Sac II      Not I      Xba I      c-myc tag
CGGATCGGTA CCTCGAGCCG CGGCGGCCGC CAGCTTTCTA GAA CAA AAA CTC ATC TCA GAA GAG GAT CTG AAT AGC
                               E  Q  K  L  I  S  E  E  D  L

Sal I      His tag
GCC GTC GAC CAT CAT CAT CAT CAT CAT TGA ---
              H  H  H  H  H  H  Stop
```

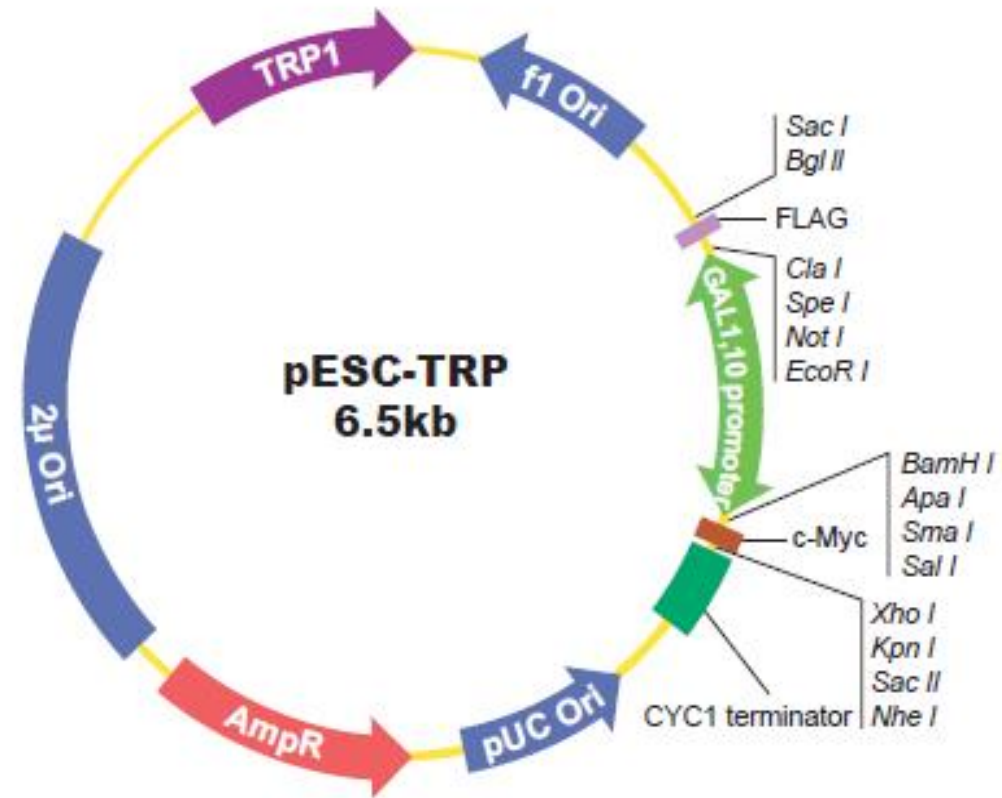
# pPICZalphaB



# pPICZalphaC



# pESC-TRP



MCS-1: 2210-2071

GAL10 promoter EcoR I

--- AACTTCTTTG CGTCCATCCA AAAAAAAAAAGT AAGAATTTTT GAAAATTCGA ATTCAACCCT CACTAAAGG

Not I Spe I Cla I FLAG tag Bgl II Sac I

G CGGCCGCACT AGTATCG ATG GAT TAC AAG GAT GAC GAC GAT AAG ATC TGA GCTCTTAATT AACAAATTCTT---

M D Y K D D D D K Stop Stop

MCS-2: 2794-2933

GAL1 promoter BamH I Sma I

---TAATATACCT CTATACTTTA ACGTCAAGGA GAAAAAACC CGGATCCGTA ATACGACTCA CTATAGGGCC CGGG

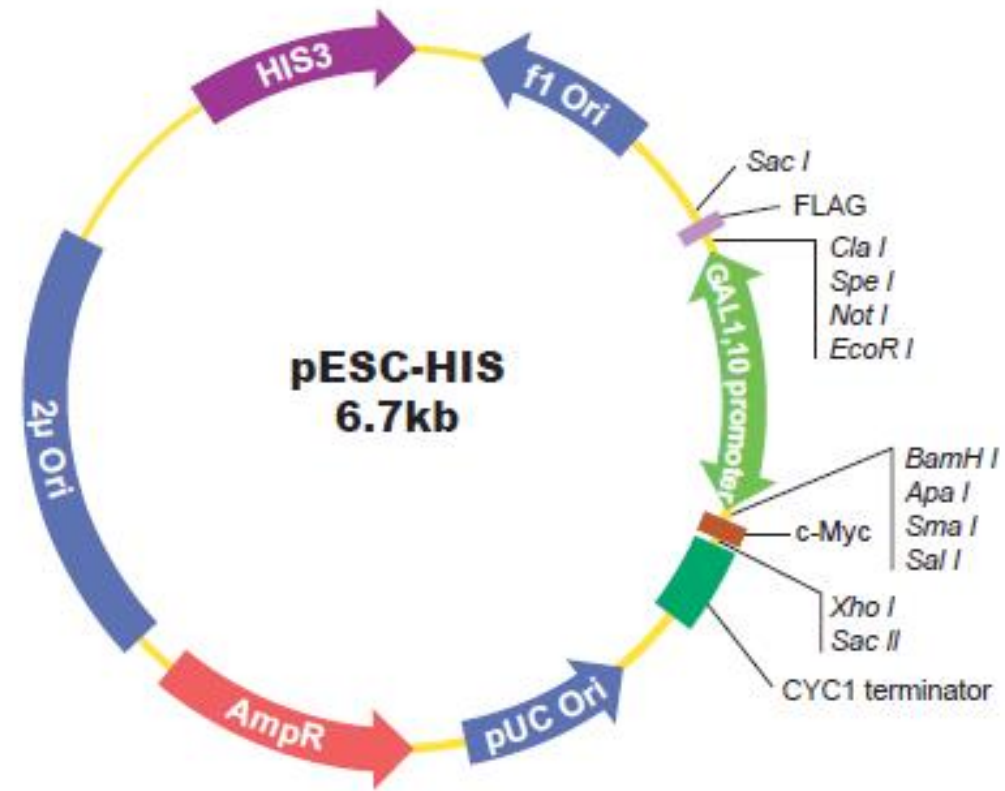
Sal I c-myc tag Xho I Kpn I Nhe I

CGTCGAC ATG GAA CAG AAG TTG ATT TCC GAA GAA GAC CTC GAG TAA GCTTGGTACC GCGGCTAGCT---

M E Q K L I S E E D L Stop Stop



# pESC- HIS



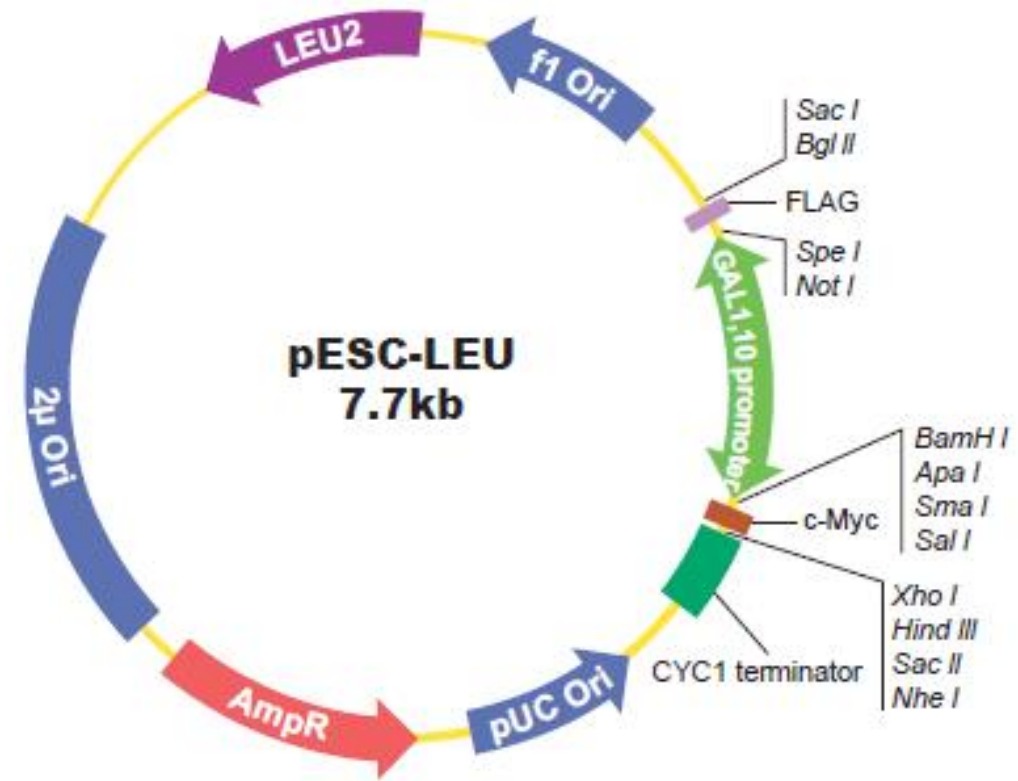
MCS-1: 2391-2252

GAL10 promoter EcoR I  
 --- AACTTCTTTG CGTCCATCCA AAAAAAAAAAGT AAGAATTTT GAAAATTCGA ATTCAACCCT CACTAAAGG  
  
Not I Spe I Cla I FLAG tag Sac I  
 G CGGCCGCACT AGTATCG ATG GAT TAC AAG GAT GAC GAC GAT AAG ATC TGA GCTCTTAATT AACAATTCTT---  
M D Y K D D D D K Stop Stop

MCS-2: 2975-3114

GAL1 promoter BamH I Sma I  
 ---TAATATACCT CTATACTTTA ACGTCAAGGA GAAAAAACC CGGATCCGTA ATACGACTCA CTATAGGGCC CGGG  
Apa I  
Sal I c-myc tag Xho I Sca II  
 CGTCGAC ATG GAA CAG AAG TTG ATT TCC GAA GAA GAC CTC GAG TAA GCTTGGTACC GCGGCTAGCT---  
E Q K L I S E E D L Stop

# pESC-LEU



MCS-1: 3426-3287

GAL10 promoter  
 --- AACTTCTTTG CGTCCATCCA AAAAAAAAAAGT AAGAATTTT GAAAATTCGA ATTCAACCCT CACTAAAGG

Not I Spe I FLAG tag Bgl II Sac I  
 G CGGCCGCACT AGTATCG ATG GAT TAC AAG GAT GAC GAC GAT AAG ATC TGA GCTCTTAATT AACAATTCTT---

M D Y K D D D D K Stop Stop

MCS-2: 4010-4149

GAL1 promoter BamH I Sma I  
 ---TAATATACCT CTATACTTTA ACGTCAAGGA GAAAAAACC CGGATCCGTA ATACGACTCA CTATAGGGCC CGGG

Sal I c-myc tag Xho I Hind III Sac II Nhe I  
 CGTCGAC ATG GAA CAG AAG TTG ATT TCC GAA GAA GAC CTC GAG TAA GCTTGGTACC GCGGCTAGCT---

M E Q K L I S E E D L Stop