

pPICZ α B MCS

5' end of AOX1 mRNA 5' AOX1 priming site

811 AACCTTTTTT TTTATCATCA TTATTAGCTT ACTTTCATAA TTGCGACTGG TTCCAATTGA

871 CAAGCTTTTGG ATTTTAACGA CTTTTAACGA CAACTTGAGA AGATCAAAAA ACAACTAATT

931 ATTCGAAACG **ATG** AGA TTT CCT TCA ATT TTT ACT GCT GTT TTA TTC GCA GCA
Met Arg Phe Pro Ser Ile Phe Thr Ala Val Leu Phe Ala Ala

983 TCC TCC GCA TTA GCT GCT CCA GTC AAC ACT ACA ACA GAA GAT GAA ACG GCA
Ser Ser Ala Leu Ala Ala Pro Val Asn Thr Thr Thr Glu Asp Glu Thr Ala

α -factor signal sequence

1034 CAA ATT CCG GCT GAA GCT GTC ATC GGT TAC TCA GAT TTA GAA GGG GAT TTC
Gln Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe

1085 GAT GTT GCT GTT TTG CCA TTT TCC AAC AGC ACA AAT AAC GGG TTA TTG TTT
Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu Phe

*Xho*I*

1136 ATA AAT ACT ACT ATT GCC AGC ATT GCT GCT AAA GAA GAA GGG GTA TCT CTC
Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val Ser Leu

Kex2 signal cleavage *Pst*I *Eco*R I *Pml*I *Sfi*I *Bsm*B I

1187 GAG AAA AGA GAG GCT GAA GC TGCAG GAATTCAC GTGGCCCAG CCGGCCGTC TCGGA
Glu Lys Arg Glu Ala Glu Ala

Ste13 signal cleavage

*Asp*718 | *Kpn*I | *Xho*I *Sac*II *Not*I *Xba*I *c-myc* epitope

1243 TCGGTACCTC GAGCCGCGGC GGCCGCCAGC TTTCTA GAA CAA AAA CTC ATC TCA GAA
Glu Gln Lys Leu Ile Ser Glu

polyhistidine tag

1300 GAG GAT CTG AAT AGC GCC GTC GAC CAT CAT CAT CAT CAT CAT TGA GTTTGTA
Glu Asp Leu Asn Ser Ala Val Asp His His His His His His ***

1352 GCCTTAGACA TGA CTGTTCC TCAGTTCAAG TTGGGCACTT ACGAGAAGAC CGGTCTTGCT

3' AOX1 priming site

1412 AGATTCTAAT CAAGAGGATG TCAGAATGCC ATTTGCCTGA GAGATGCAGG CTTCATTTTT

3' polyadenylation site

1472 GATACTTTTT TATTTGTAAC CTATATAGTA TAGGATTTTT TTTGTCATTT TGTTCCTTCT