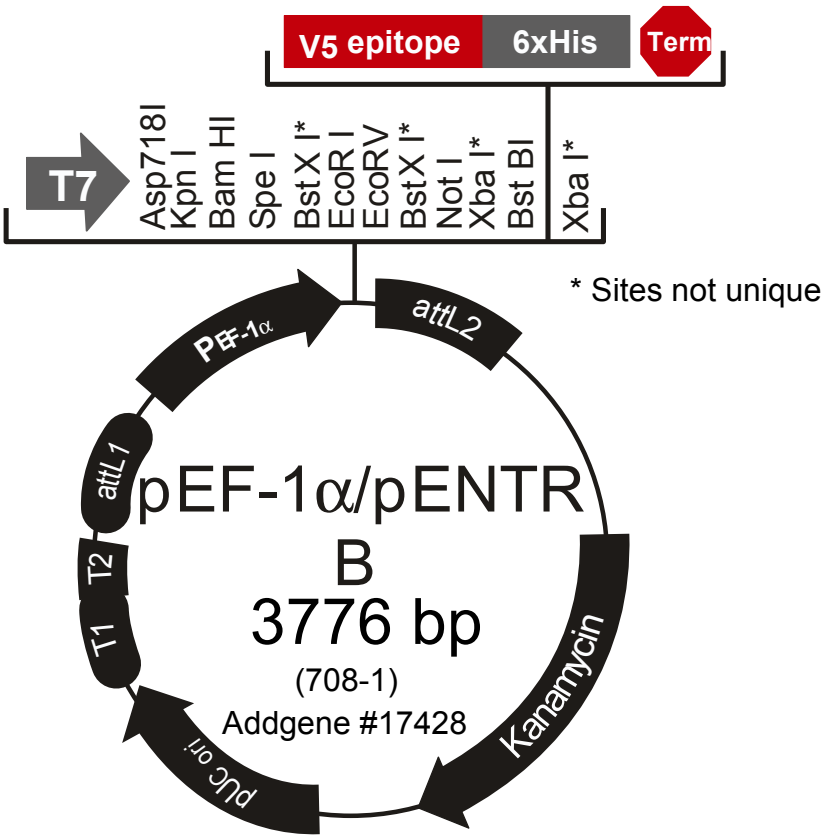


rrnB T1 transcription termination sequence: bases 106-149
rrnB T2 transcription termination sequence: bases 281-308
attL1: bases 358-457 (complementary strand)
Elongation Factor 1 alpha (EF-1a) promoter: bases 614-1766
Multiple Cloning Site (MCS): bases 1828-1923
V5 tag: bases 1924-1965
Poly-His: bases 1975-1992
Translation stop codon: bases 1993-1995
attL2: bases 2006-2106
Kanamycin resistance gene: bases 2228-3037
pUC origin: bases 3145-3773

EF-1α forward priming site
3´end of hEF-1α Intron 1

GTTTGGATCT TGGTTCATTC TCAAGCCTCA GACAGTGGTT CAAAGTTTTT TTCTTCCATT TCAGGTGTCG TGAGGAATTA

5´ end of hEF-1α Exon 2

T7 promoter/priming site
Asp718 I Kpn I
Bam HI
Spe I

GCTTGGTACT AATACGACTC ACTATAGGGA GACCCAAGCT GGCTAGTTAA GCTT GGT ACC GAG CTC GGA TCC ACT
Leu Gly Thr Glu Leu Gly Ser Thr

Bst XI* EcoR I EcoR V BstX I* Not I Xba I*

AGT CCA GTG TGG TGG AAT TCT GCA GAT ATC CAG CAC AGT GGC GGC CGC TCG AGT CTA GAG GGC CCG
Ser Pro Val Trp Trp Asn Ser Ala Asp Ile Gln His Ser Gly Gly Arg Ser Ser Leu Glu Gly Pro

Bst BI
V5 epitope
Polyhistidine region

CGG TTC GAA GGT AAG CCT ATC CCT AAC CCT CTC CTC GGT CTC GAT TCT ACG CGT ACC GGT CAT CAT CAC
Arg Phe Glu Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr Arg Thr Gly His His His

Xba I*
att L2

CAT CAC CAT TGA GTTTATCTAG ACCCAGC
His His His ***

Eric Campeau February 2005