

3' end of subgenomic  
5' end of subgenomic promoter      promoter      Transcriptional start  
Sindbis forward

7551 TTCCAAGCCA TCAGAGGGGA AATAAAGCAT CTCTACGGTG GTCCTAAATA GTCAGCATAG

sequencing primer

7611 TACATTTTCAT CTGACTAATA CTACAACACC ACCACCTCTA GACACC **ATG** GGG GGT  
Met Gly Gly

Polyhistidine region

7666 TCT CAT CAT CAT CAT CAT CAT GGT ATG GCT AGC ATG ACT GGT GGA CAG  
Ser His His His His His His Gly Met Ala Ser Met Thr Gly Gly Gln

Anti-Xpress™ epitope

7714 CAA ATG GGT CGG GAT CTG TAC GAC GAT GAC GAT AAG TAC CGG TAC CGC  
Gln Met Gly Arg Asp Leu Tyr Asp Asp Asp Asp Lys Tyr Arg Tyr Arg  
Kpn I BssH II

EK recognition site      EK cleavage site

Mlu I      Sph I      Stu I      Apa I

7762 GCG CAC GCG TGC ATG CAG GCC TTG GGC CCA ATG ATC CGA CCA GCA AAA  
Ala His Ala Cys Met Gln Ala Leu Gly Pro Met Ile Arg Pro Ala Lys

7810 CTC GAT GTA CTT CCG AGG AAC TGA TGTGCATAAT GCATCAGGCT GGTACATTAG  
Leu Asp Val Leu Pro Arg Asn \*\*\*

7864 ATCCCCGCTT ACCGCGGGCA ATATAGCAAC ACTAAAAACT CGATGTACTT CCGAGGAAGC

7924 GCAGTGCATA ATGCTGCGCA GTGTTGCCAC ATAACCACTA TATTAACCAT TTATCTAGCG

7984 GACGCCAAAA ACTCAATGTA TTTCTGAGGA AGCGTGGTGC ATAATGCCAC GCAGCGTCTG

8044 CATAACTTTT ATTATTTCTT TTATTAATCA ACAAATTTT GTTTTTAACA TTTCAAAAAA

poly A sequence

Pac I      Not I      Xho I

8104 AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA AGGGAATTCC TCGATTAATT AAGCGGCCGC

8164 TCGAGGGGAA TTAATTCTTG AAGACGAAAG GGCCAGGTGG CA