

elongation factor 1a promoter, forward:

GCGCTCTAGAGAGATTTTGTAACCACTCAAATTCCC
*Xba*I

elongation factor 1a promoter, reverse:

CGCTGGTACCTTAATATGAGTCTTGTCTTTCAT
*Eco*RI

elongation factor 1a promoter, reverse:

CCGGCATGCGGAAGGTTGGGGTTAACCGAAT
*Sph*I

hAPP695, forward:

GGCCGCATGCTGCCCGGTTTGGCACTG
*Sph*I

hAPP695, reverse:

GCGCGGATCCGTTCTGCATCTGCTCAAAGAAC
*Bam*H1

hAPP695 *Bam*H1 knockout, sense:

CATGGTGGACCCCAAGAAAG

hAPP695 *Bam*H1 knockout, antisense:

CTTTCTTGGGGTCCACCATG

hAPP695 β -site mutant K670N, M671L, sense:

TCTGAAGTGAACCTTGGATGCAGAATTCCGAC

hAPP695 β -site mutant K670N, M671L, antisense:

GTCGGAATTCTGCATCCAAGTTCACCTCAGA

hAPP695 γ -site mutant T714I, I716V, V717I, sense:

APP_{mt} γ : GTTGTCATAGCGATAGTGGTCATCATCACCTTGGTGATGCTG

hAPP695 γ -site mutant T714I, I716V, V717I, antisense:

CAGCATCACCAAGGTGATGATGACCACTATCGCTATGACAAC

synaptotagmin promoter, forward:

CGCTCTAGAGGTCAGAGTTCGCCATTTCTTTGGTGGC
*Xba*I

synaptotagmin promoter, reverse:

CGCGGTACCGCATGCCCTTGCTTCCACGCTAACTTTAGTTG
*Sph*I

synaptotagmin *Eco*RI knockout, sense:

TAAAGTATTCTAAAGCCGTATCTTCACGACTCC

synaptotagmin *Eco*RI knockout, antisense:

GGAGTCGTGAAGATACGGCTTTAGAATACTTTA

APP signal peptide, forward:

GGCCGCATGCTGCCCCGTTTGGC

SphI

Signal peptide amyloid beta overlap, sense:

GGAGGTTCCCGATGCAGAATTTGACATGACT

Signal peptide amyloid beta overlap, antisense:

ATTCTGCATCGGGAACCTCCAGCGCC

Human amyloid beta reverse for A β :

CCGGAATTCTACGCTATGACAACACCGCC

EcoRI

Human amyloid beta reverse for A β -CFP:

GCGCGGATCCCGCTATGACAACACCGCC

BamHI

All primer sequences are 5' to 3'.