

Sequence Listing

Anc80 capsid protein (SEQ ID NO:1)

5 MAADGYLPDWLEDNLSEGIREWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLDKGEPV
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 15 QILIKNTVPANPPTTFSPAKFASFITQYSTGQVSVEIEWELQKENS KRWNPEIQYTSNKNSTN
 VDAVDNTGVYSEPRPIGTRYLTRNL

where X₁ = K/R; X₂ = A/S; X₃ = A/G; X₄ = R/K; X₅ = E/Q; X₆ = T/E; X₇
 = A/T; X₈ = S/N; X₉ = Q/E; X₁₀ = S/A; X₁₁ = N/D

20

Anc80-L0065 capsid protein (SEQ ID NO:2)

MAADGYLPDWLEDNLSEGIREWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFNGLDKGEPV
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35

pAAV-TMC2 (SEQ ID NO:3)

Left-inverted terminal repeat (L-ITR): 1-130 nt

Cytomegalovirus (CMV) promoter: 206-799 nt

Simian virus 40 (SV40) misc intron: 831-963 nt

40

Transmembrane channel-like 1 (TMC1ex1): 982-3,267 nt

Post-transcriptional regulatory element from Woodchuck hepatitis virus (WPRE): 3,268-3,821 nt

Bovine growth hormone (bGH) polyA signal: 3,822-4,086 nt

Right-inverted terminal repeat (R-ITR): 4,124-4,253 nt

45

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pAAV-TMClex2 (SEQ ID NO:4)
 L-ITR: 1-130
 50 CMV promoter: 206-799
 SV40 misc intron: 831-963
 TMClex2: 982-3,255
 WPRE: 3,256-3,809
 bGH polyA signal: 3,810-4,074
 55 R-ITR: 4,112-4,241

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L-ITR: 1-141

myo6 promoter: 155-1,396

TMClx2: 1,425-4,439

30

hGH polyA signal: 4,474-4,954

R-ITR: 4,991-5,131

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