

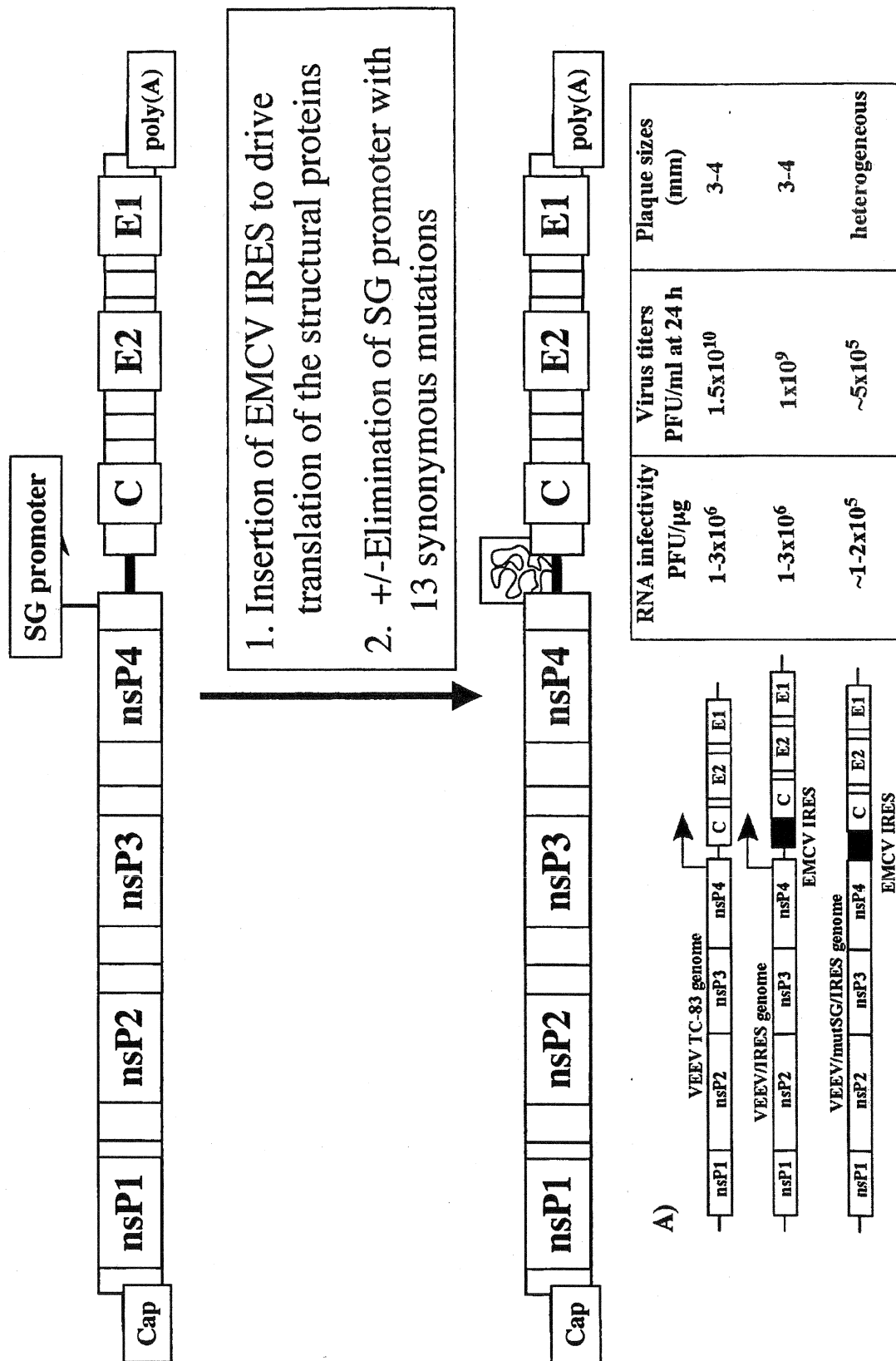


Fig. 1A

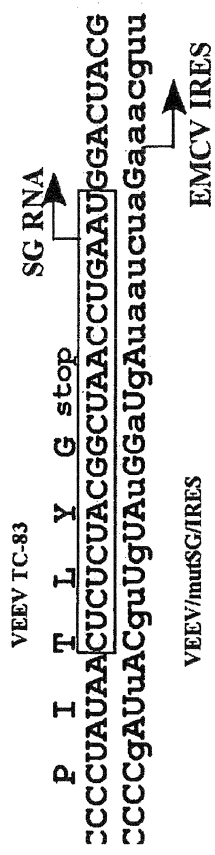


Fig. 1C

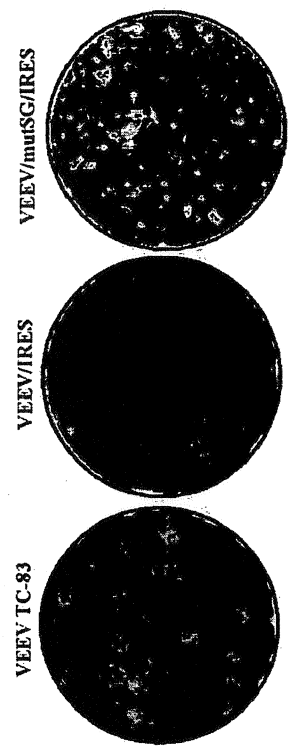
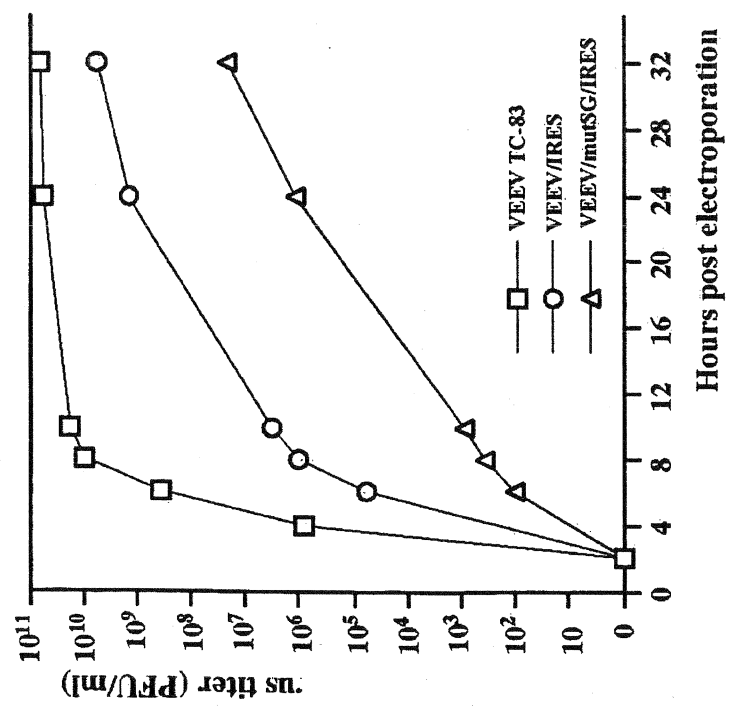


Fig. 1D



Mutation	Isolate 1	Isolate 2	aa change
A ₁₆₁₃ →G	+	+	Silent
C ₁₆₁₆ →A	+	+	Silent
T ₁₆₁₉ →C	+	+	Silent
T ₂₁₇₆ →A	+	-	Silent
A ₂₇₅₈ →G	+	+	Y ₃₇₀ →C
A ₂₇₆₀ →C	+	-	K ₃₇₁ →Q
T ₉₇₀₂ →C	+	+	Silent
T ₁₀₂₉₉ →G	+	+	Silent

Fig. 2A

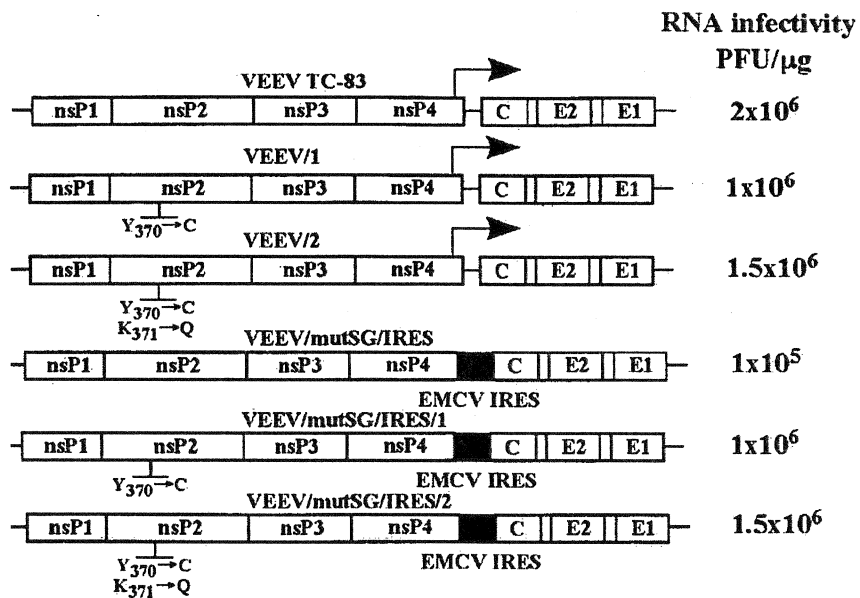


Fig. 2B

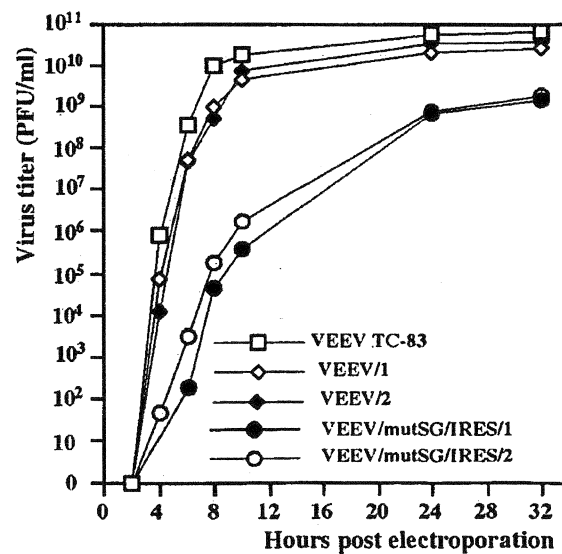


Fig. 2C

Fig. 3A

Plaque isolates	P ₃₄₉ → T	Y ₃₇₀ → C	K ₃₇₁ → Q	D ₄₁₈ → A	K ₄₂₃ → T
Orig. pl 1		+			
Orig. pl 2		+	+		
Orig. pl 3		+			
Orig. pl 4	+				
Orig. pl 5					+
Pass. pl 1		+			
Pass. pl 2		+			
Pass. pl 3		+			
Pass. pl 4				+	
Pass. pl 5					+

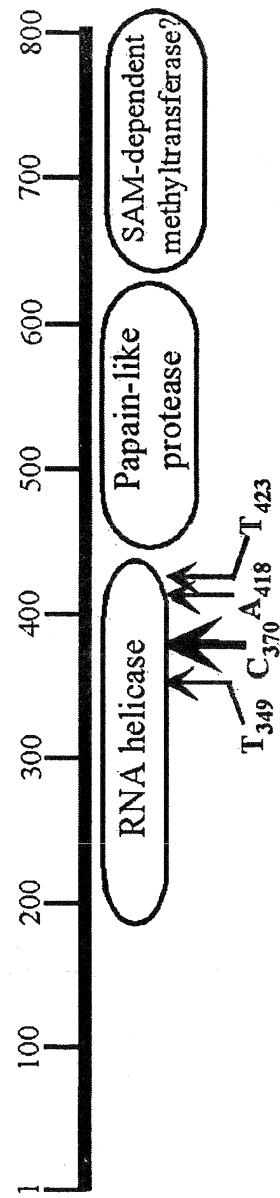


Fig. 3B

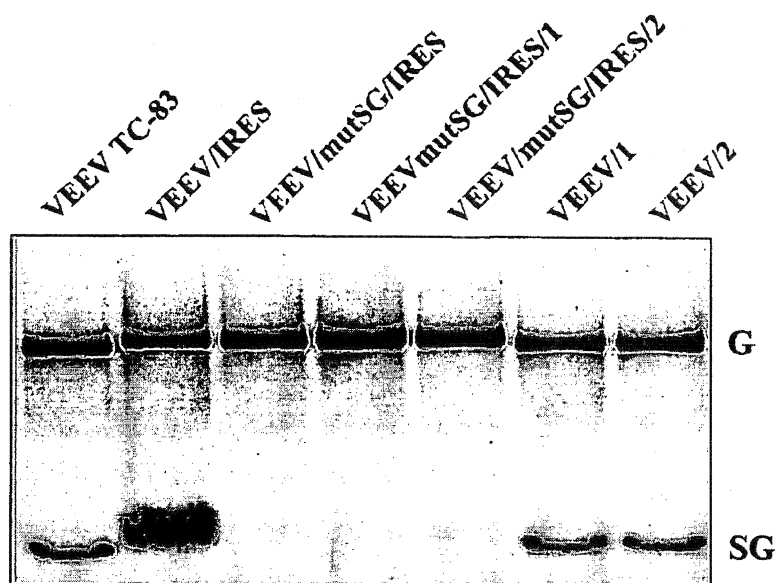


Fig. 4A

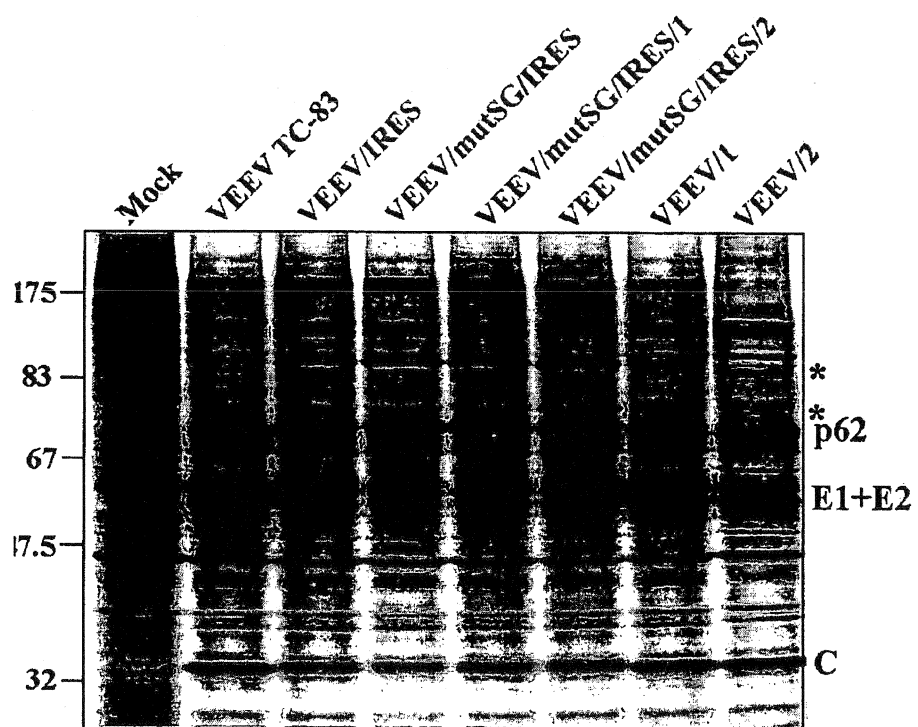


Fig. 4B

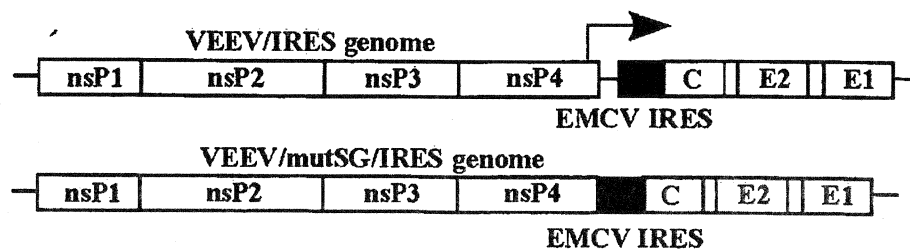


Fig. 5A

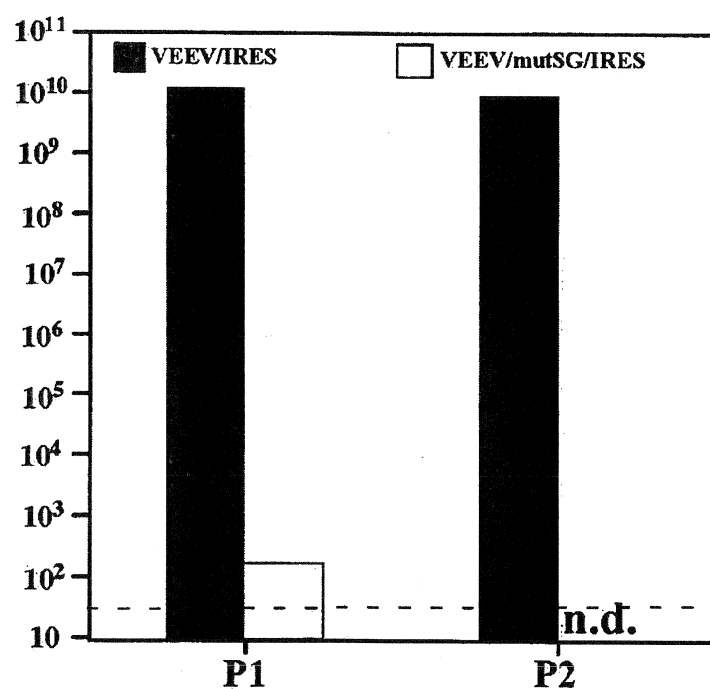


Fig. 5B

ATGGACTACGACATAGTCTAGTCCGCCA----tatggccacaaccATG pl. 1
 ATGGACTACGACATAGTCTAGTCCGCCAAGtctatggccacaaccATG pl. 2
 ATGGACTACGACATAGTCTAGTCCGCCAAG-----ATG TC-83

Fig. 5C

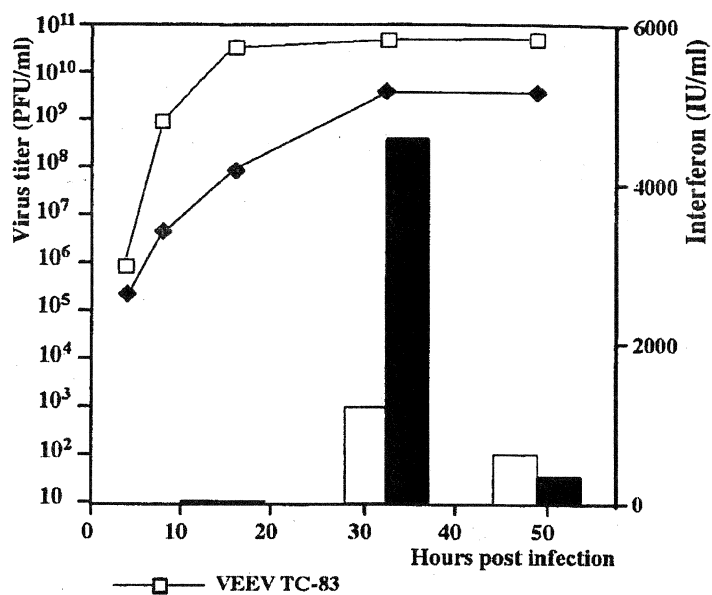


Fig. 6

Fig. 7

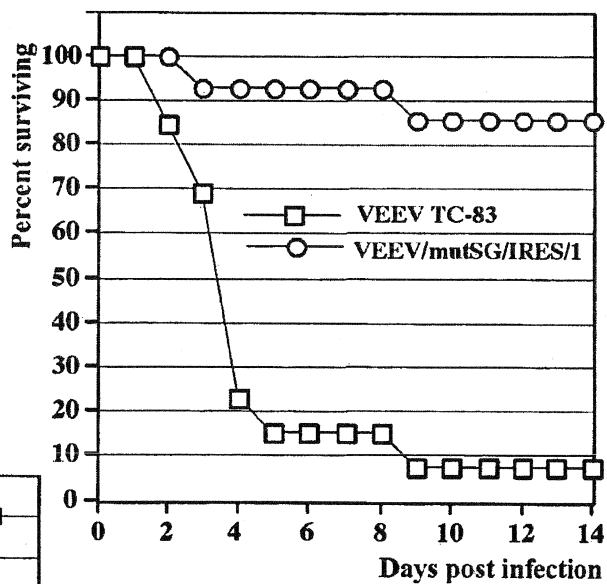
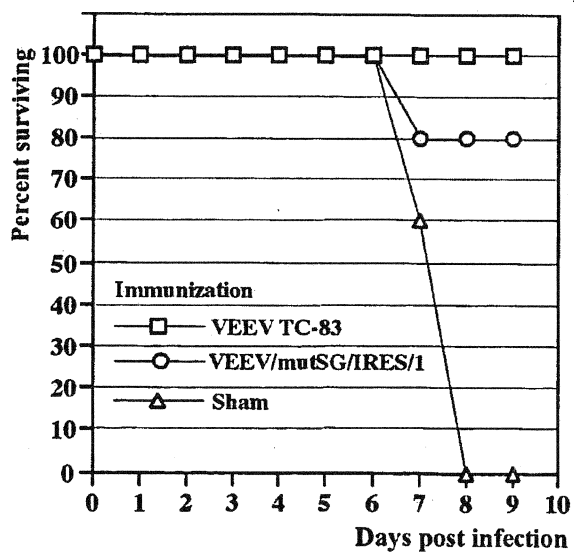


Fig. 8



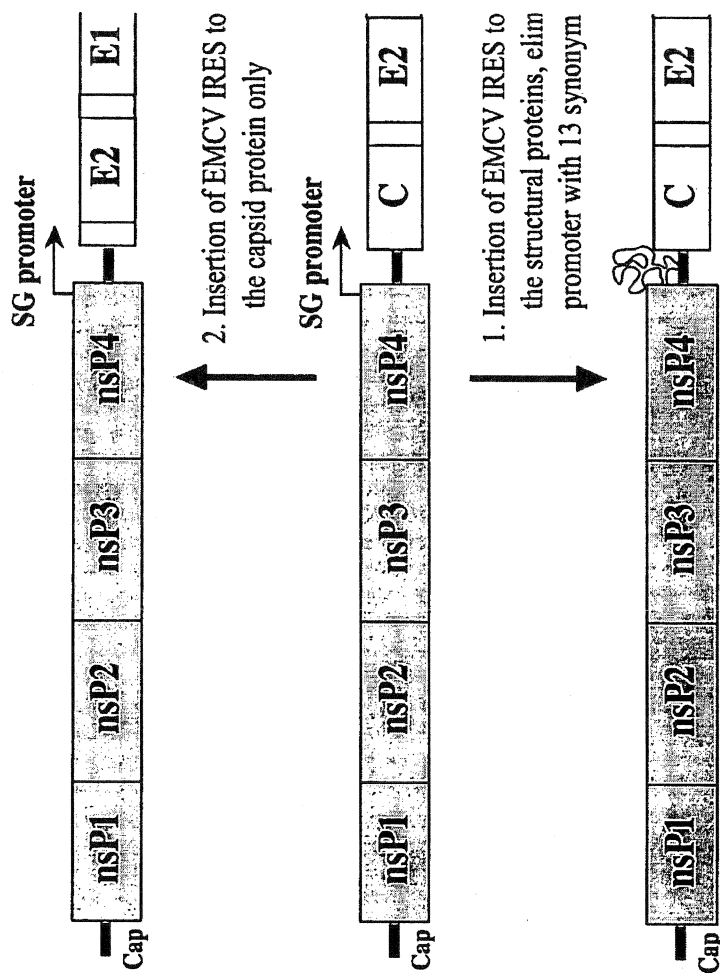


Fig.9