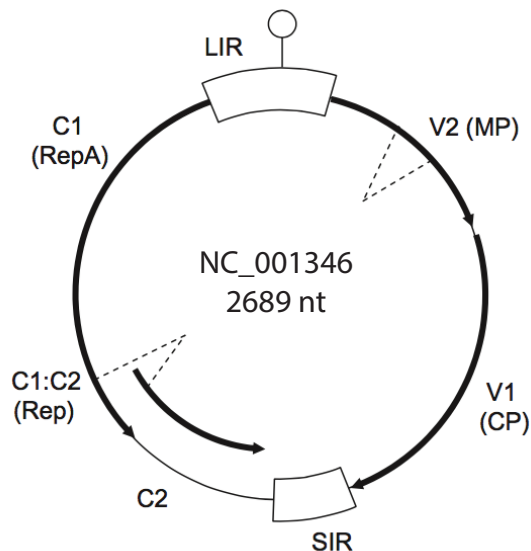# Overview of annotation pipeline for Maize Streak Virus

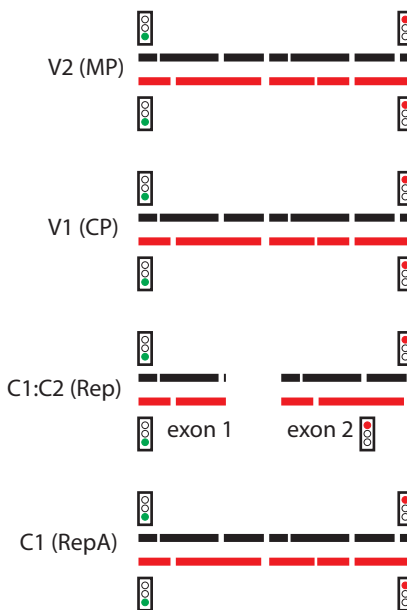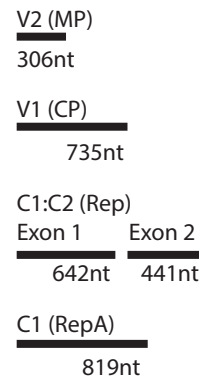**INPUT:**

1. RefSeq annotation

LIR
C1 (RepA)
V2 (MP)
NC_001346
2689 nt
C1:C2 (Rep)
V1 (CP)
C2
SIR

2. Target sequence(s) to annotate:

EU628610
HQ693295
EU628635
FJ882144

HQ693434
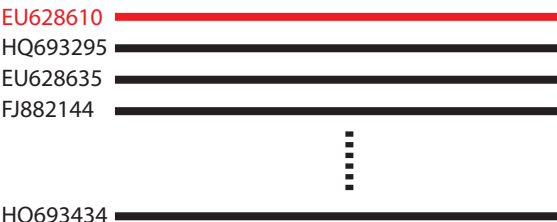
Combine models into 'features', translate, find stop codons, and identify errors:

V2 (MP)
306nt

V1 (CP)
735nt

C1:C2 (Rep)
Exon 1   Exon 2
642nt   441nt

C1 (RepA)
819nt

V2 (MP)

V1 (CP)

C1:C2 (Rep)
exon 1   exon 2

C1 (RepA)

OUTPUT:

1. Tabular annotations of all features:

EU628610:MP:157-462
EU628610:CP:473-1207
EU628610:Rep:2530-1889,1796-1371
EU628610:RepA:2530-1712

2. List of all 'error codes':

EU628610:Rep:trc

3. Nucleotide and protein multiple alignments (optional)