

Identifying Rare Errors

West Nile virus, lineage 1



JX503096 errors:

- #1 olp feature does not overlap with same set of features as in reference [-(1.1,2.1)]
- #2 olp feature does not overlap with same set of features as in reference [-(2.1,1.1)]
- #2 trc in-frame stop codon exists 5' of stop position predicted by homology to reference [homology search predicted 228..1 revised to 228..175 (stop shifted 174 nt)]
- CDS str predicted CDS start position is not beginning of ATG start codon [ATT starting at position 51 on strand +]



Poor alignment:

DQ211652 > TCCCGCGTCTTCCTTGATTCGACTCAACACCGGCATGTTGACCTGATCCACGGCCACGGGGCAATACGATTTGTGTGGCTCTCTGGCGTTCTTTCAGGTTACACGCAATTGCTCCGACCCGAGCAGTGCTGGATCGATGGAGAGGTGT

JX503096 > TCCCHHHHTTCCTCGATCAGCCTCAACATAGCCCTTTGACCTCCATCAAAAAAAAHHHGCCAACACGHHHHHHHHHGGGGCATTCGGCGTTTACCATATTACACGCAATTGCTCCGACCCGAGCAGTGCTGGATCGATGGAGAGGTGT



Code searches for homology in forward and reverse directions, and found that JX503096 has a reverse-complement section

