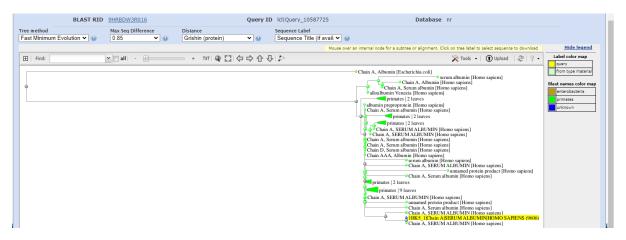
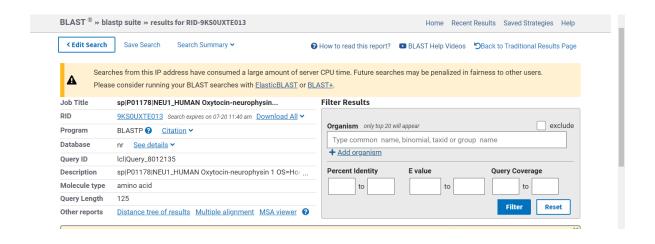
# **BLAST**

#### **OXYTOCIN**

# **DISTANCE TREE OF OXYTOCIN:**

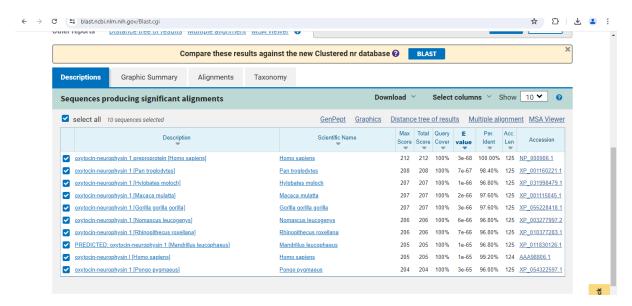


# **Description of oxytocin:**

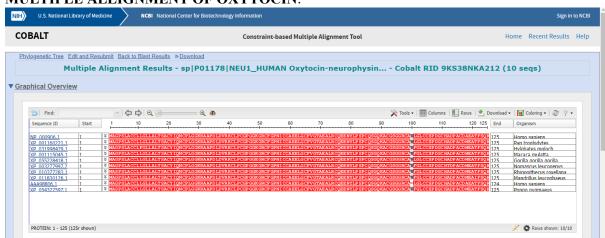


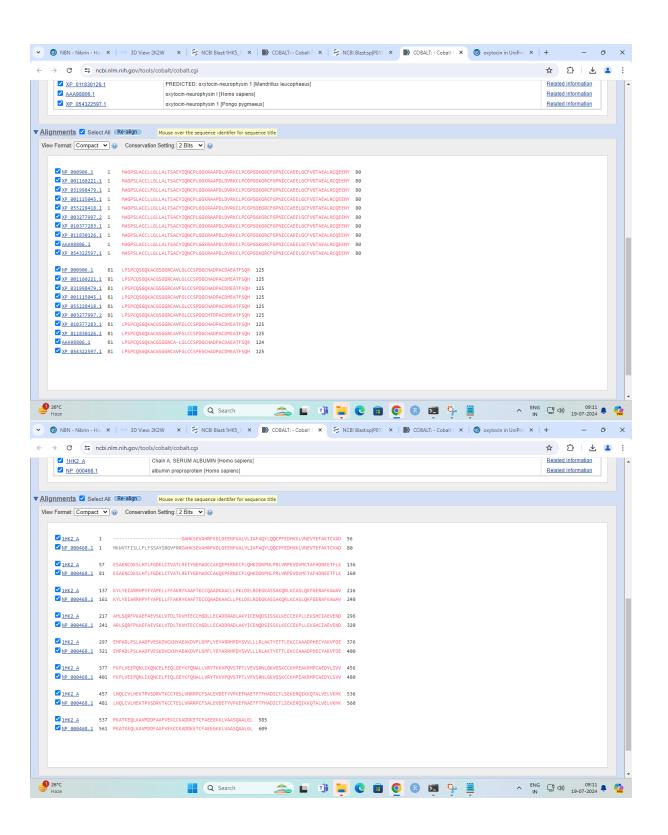
Genomic ID: P01178

## **DESCRIPTION OF OXYTOCIN:**



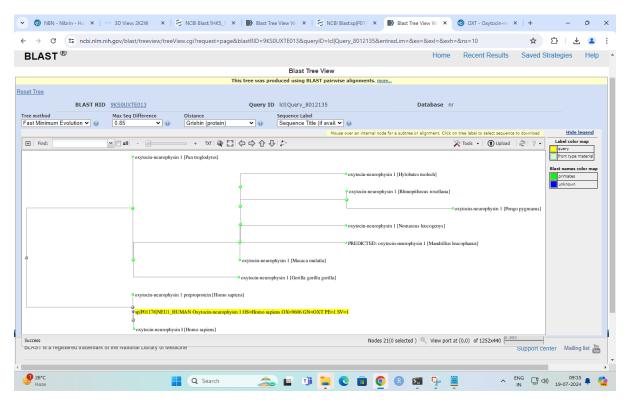
# MULTIPLE ALLIGNMENT OF OXYTOCIN:



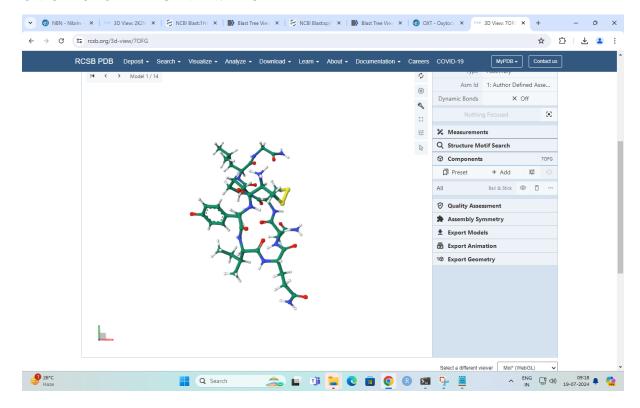


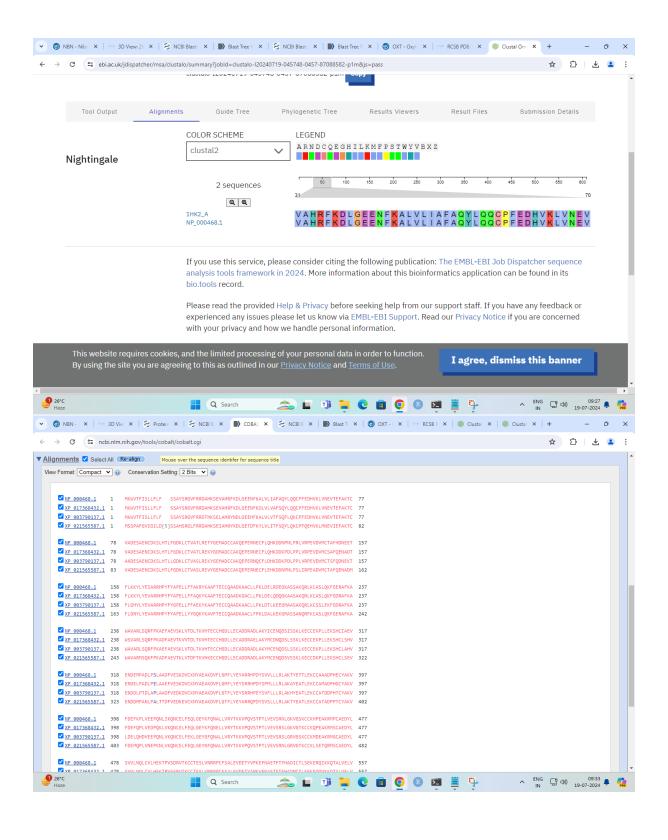
# **CASE B:**

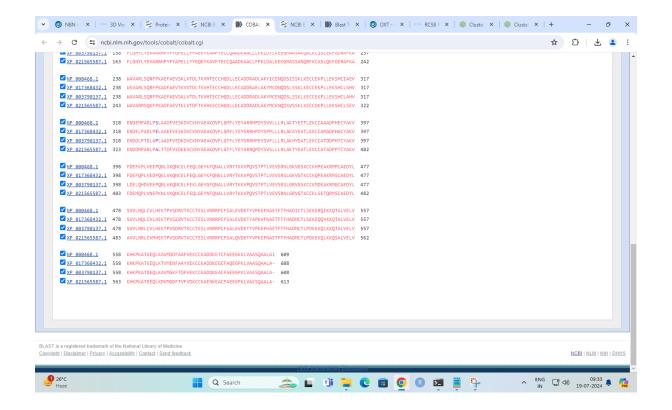
#### Distance tree view:



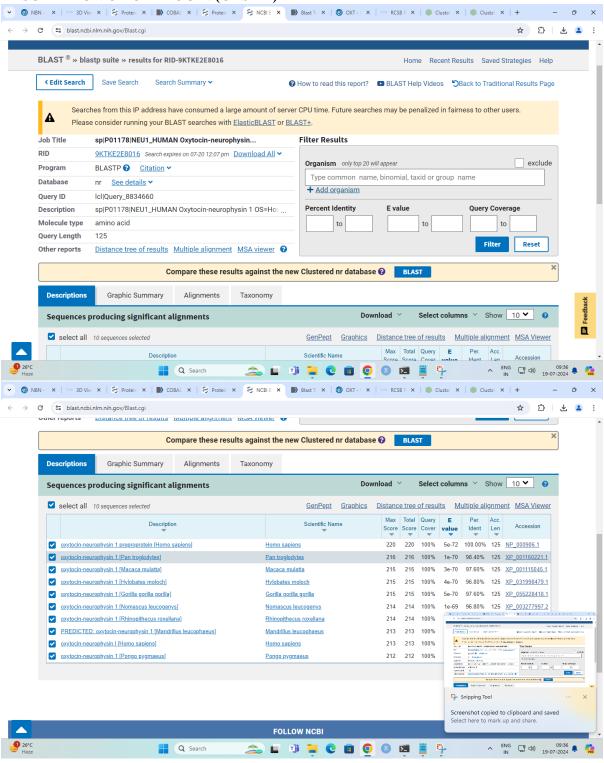
#### UNIOPROT 3 D IMAGE VIEW FROM PDB

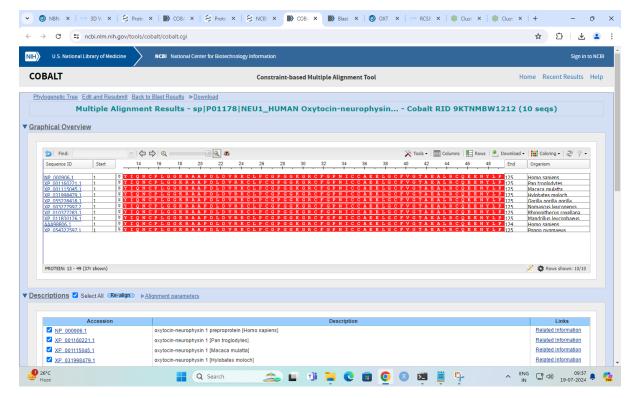






### **DESCRIPTION OF OXYTOCIN (CASE B)**





By comparing the case a and case b ,the query length is not changed even after changing threshold value , therefore I conclude there is no presence of mutation.

# Inference

BLAST is used to search for "OXYTOCIN" in biological sequences. To use it, access the NCBI BLAST homepage, select the appropriate database, input the sequence, set search parameters, run the search, analyze the results, and interpret the results. This powerful tool helps in comparing biological sequences, identifying homologous sequences, and understanding the structure and function of oxytocin. It is widely used in research to elucidate sequence similarities and biological functions.