Run Summary

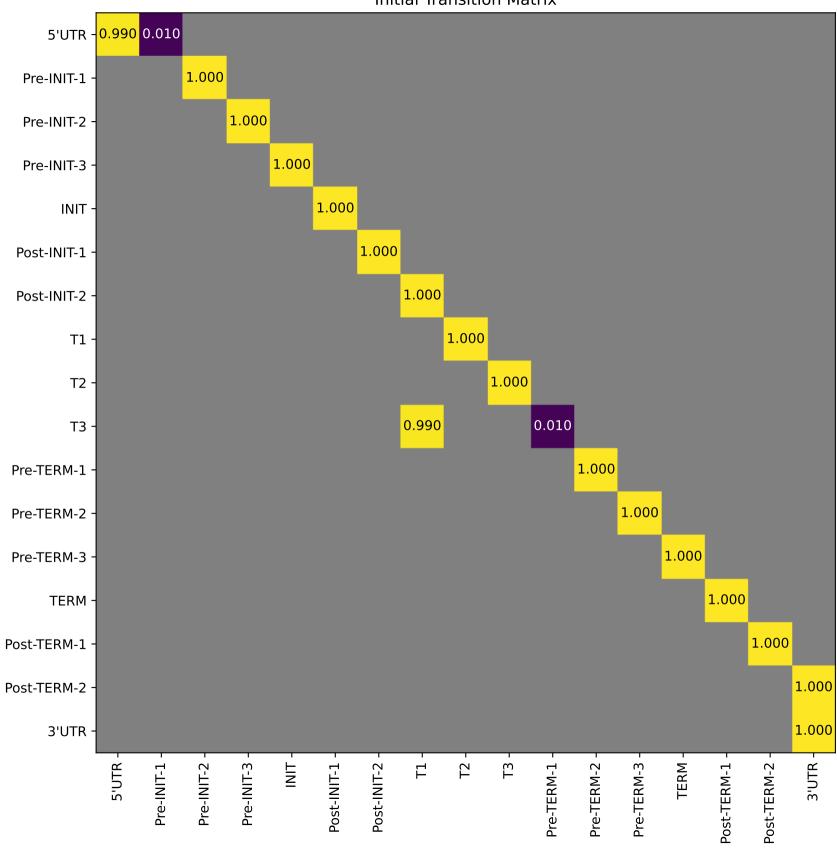
riboHMM Validation Report

Run Timestamp: 2025-07-30T14:55:09.085082

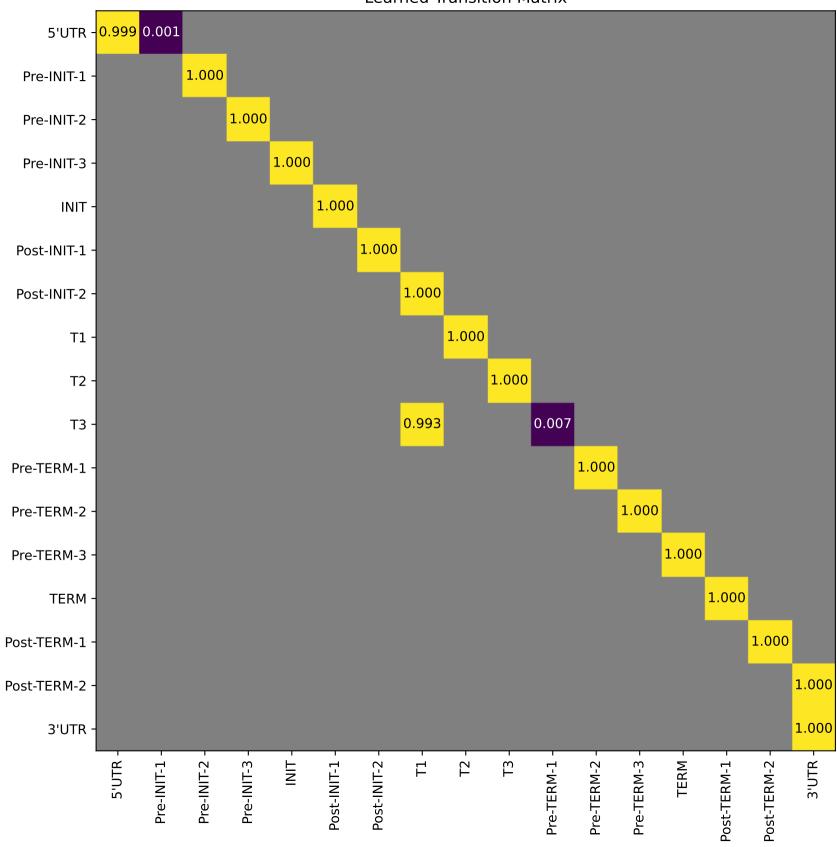
Test Data File: /home/kai/Documents/00_RNA/01_riboHMM_simple_prod/02_Processed_Data/test_top500_raw.npz
Trained Model File: /home/kai/Documents/00_RNA/01_riboHMM_simple_prod/04_Models/model_top500_raw.joblib
Model Config File: /home/kai/Documents/00_RNA/01_riboHMM_simple_prod/model_config.json
ORF Annotations File: /home/kai/Documents/00_RNA/01_riboHMM_simple_prod/01_Reference_Files/MANE_CDS_coordinates.csv

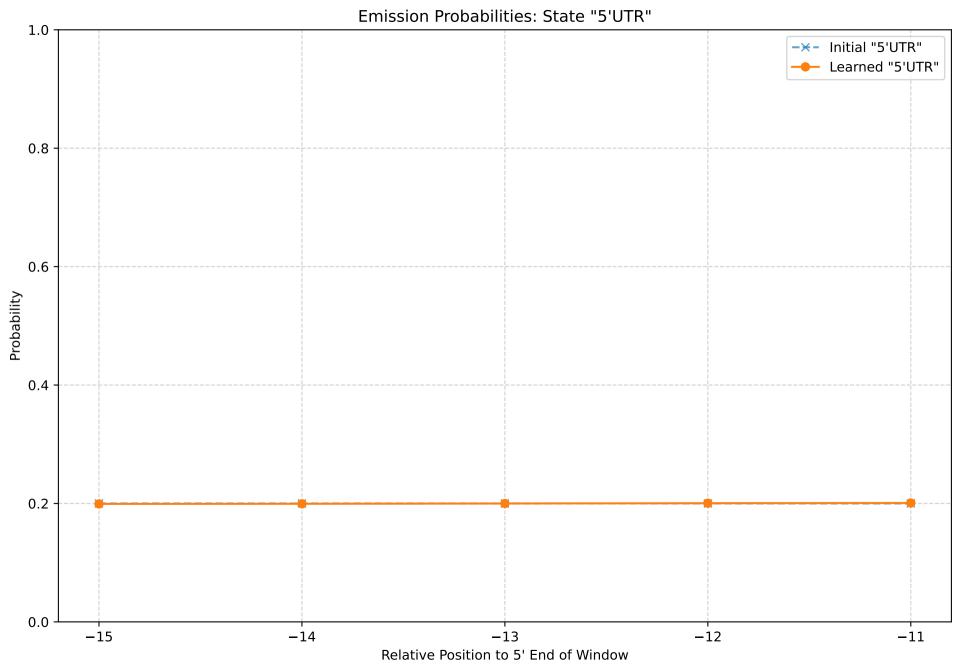
Number of Transcripts in Test Set: 100

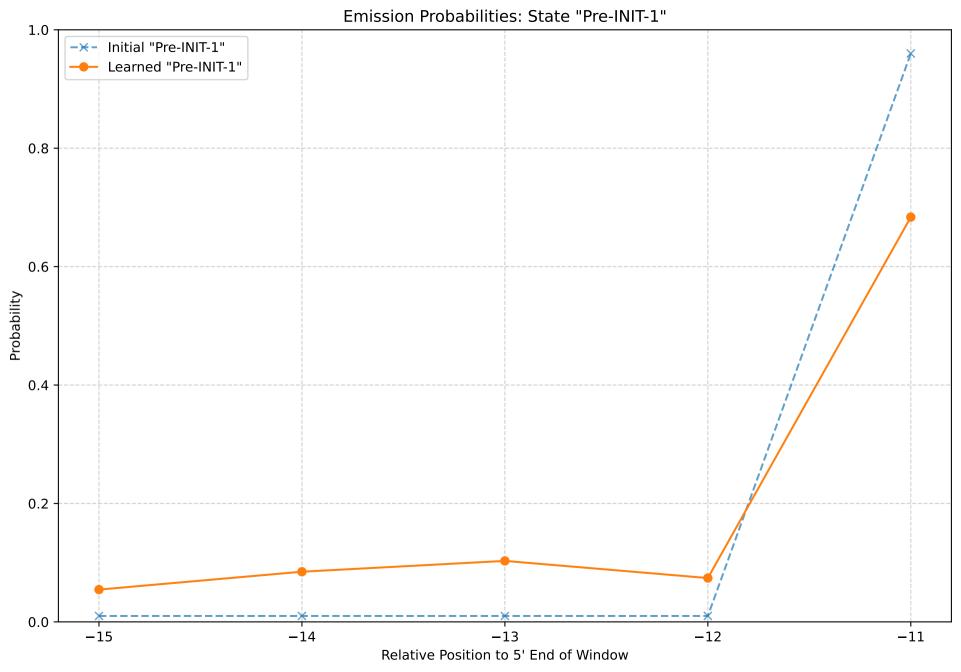
Initial Transition Matrix

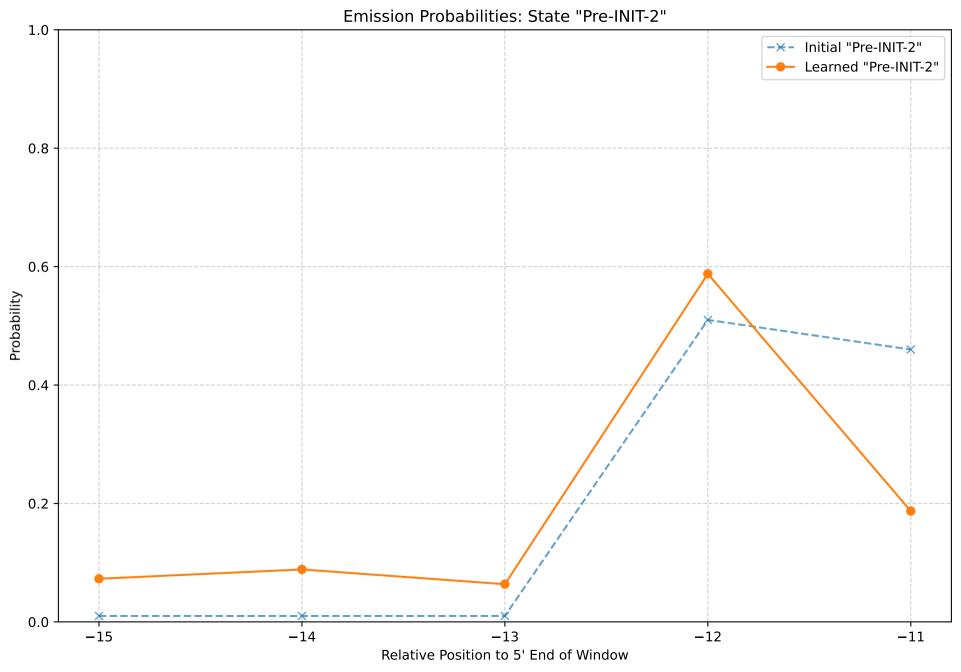


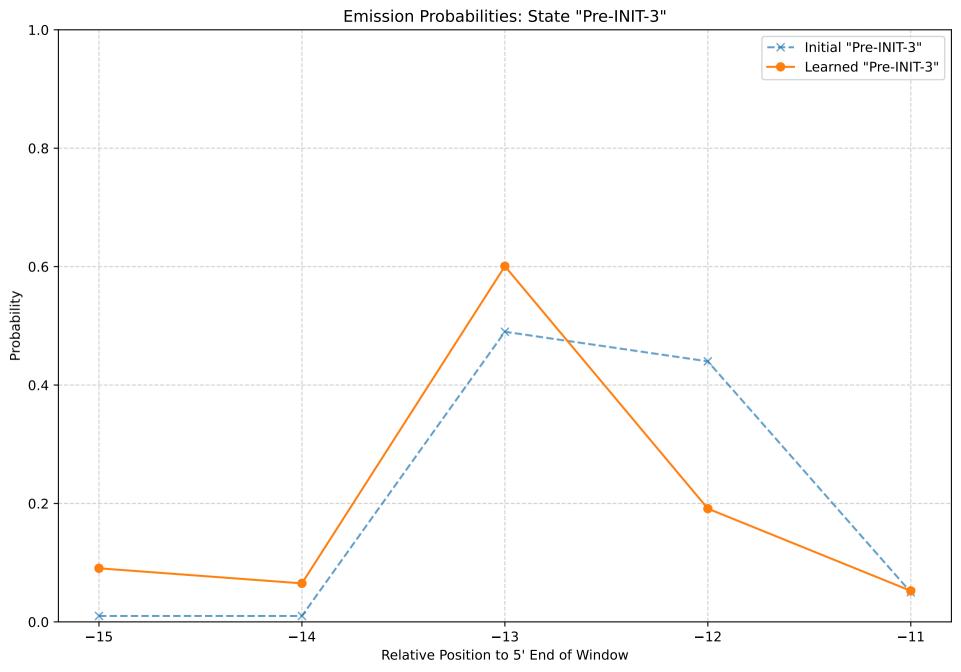
Learned Transition Matrix

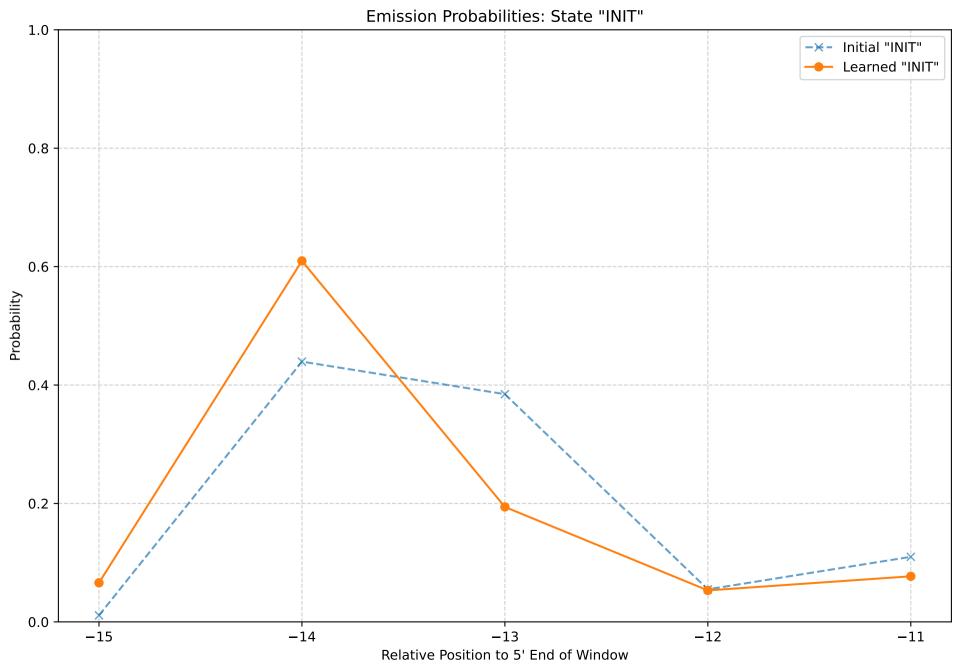


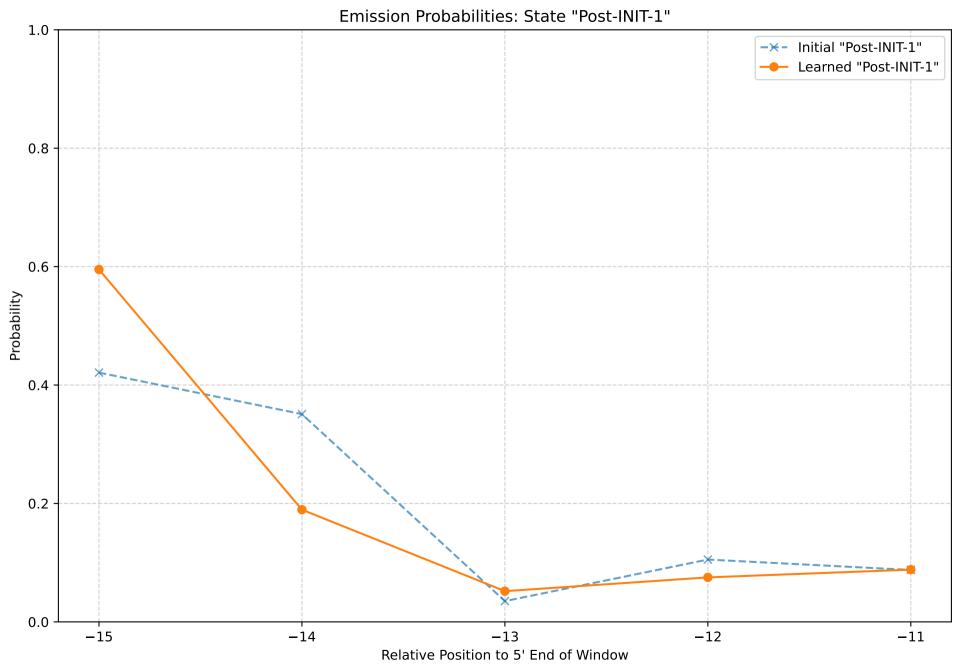


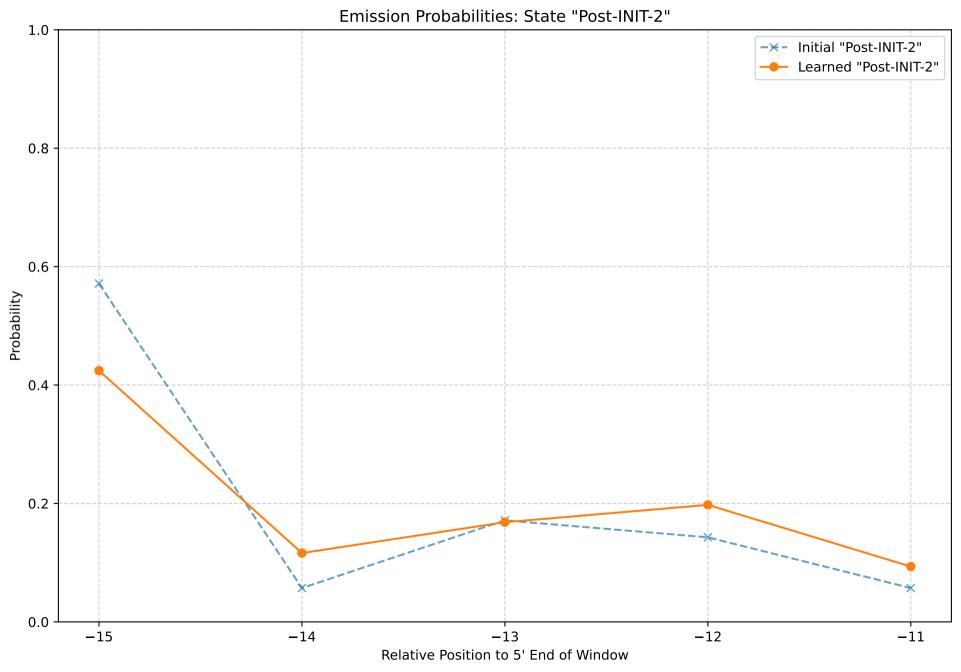


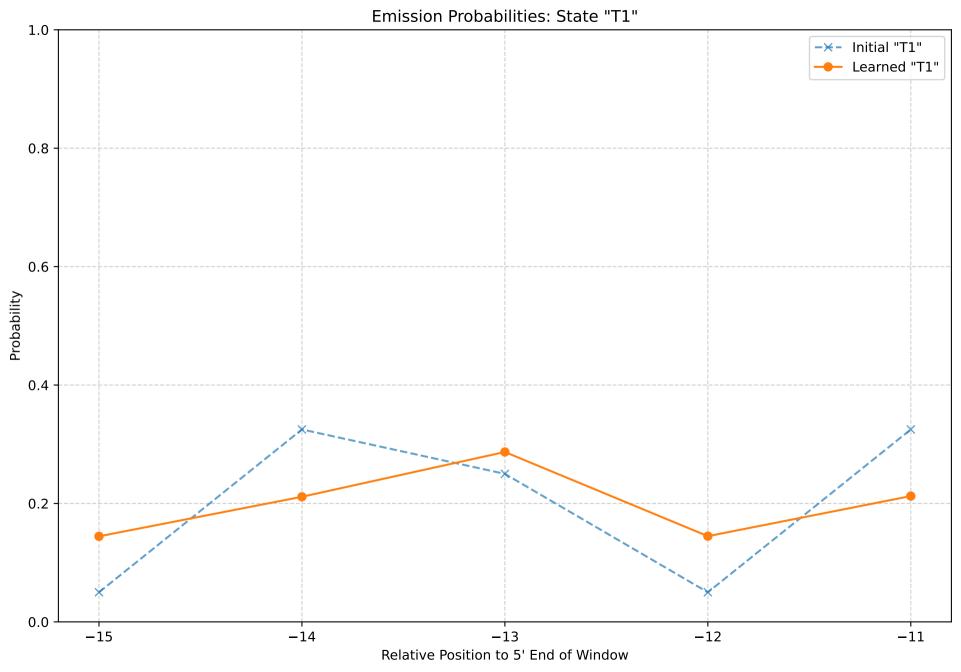


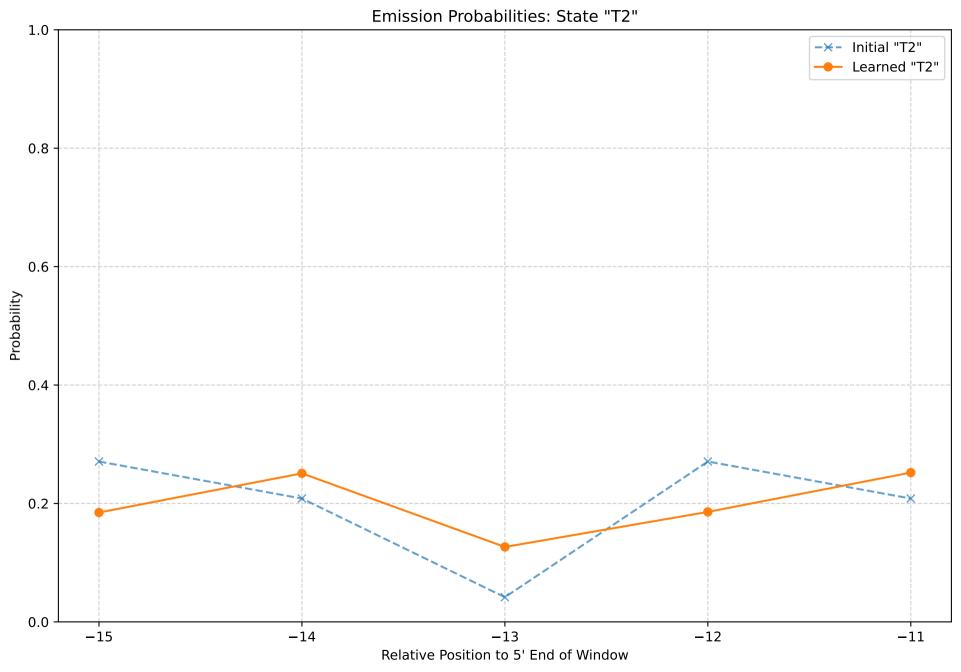


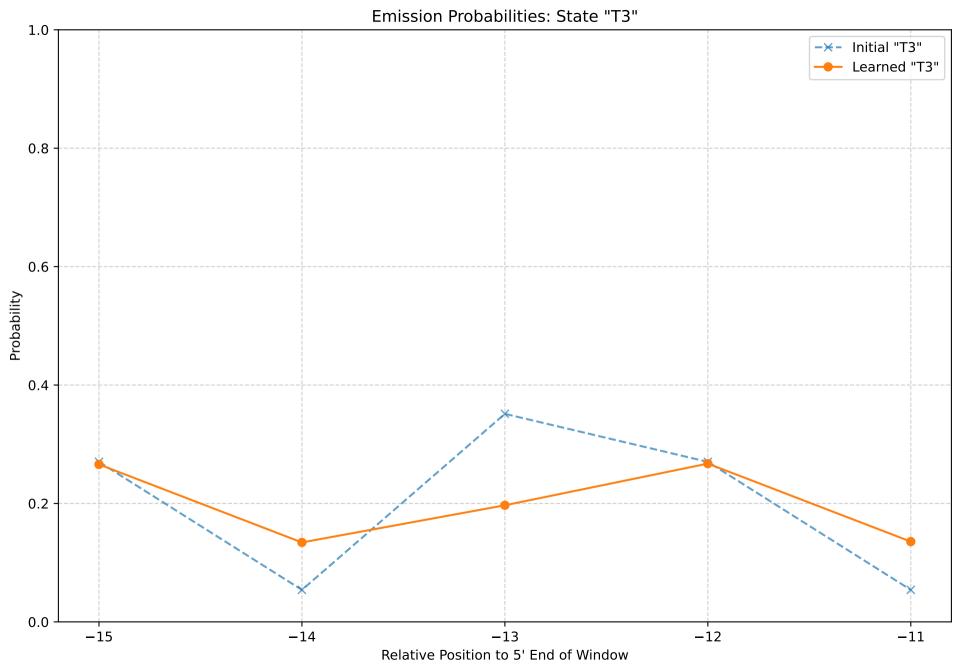


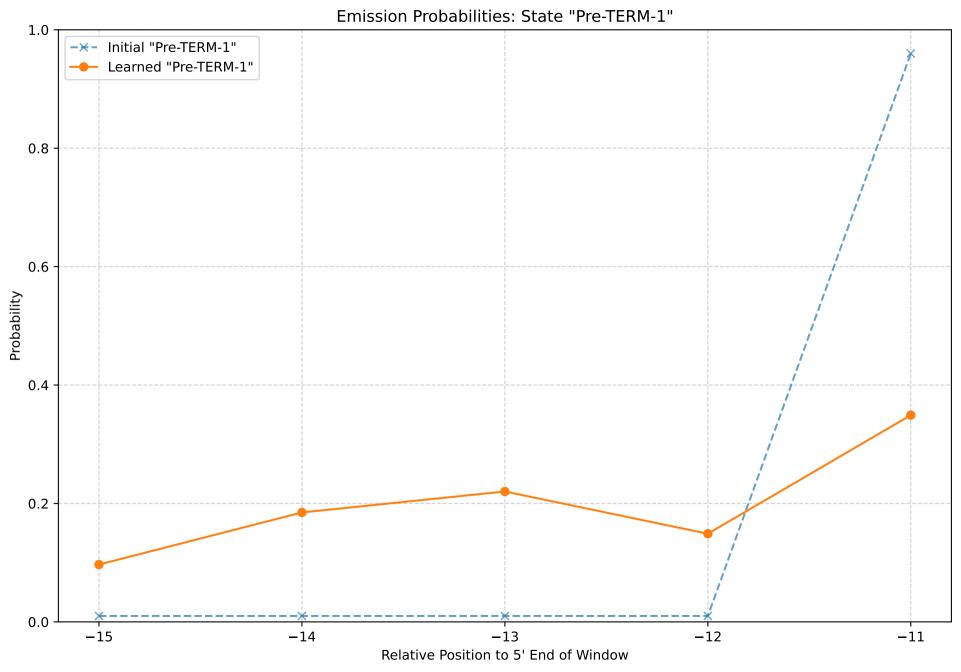


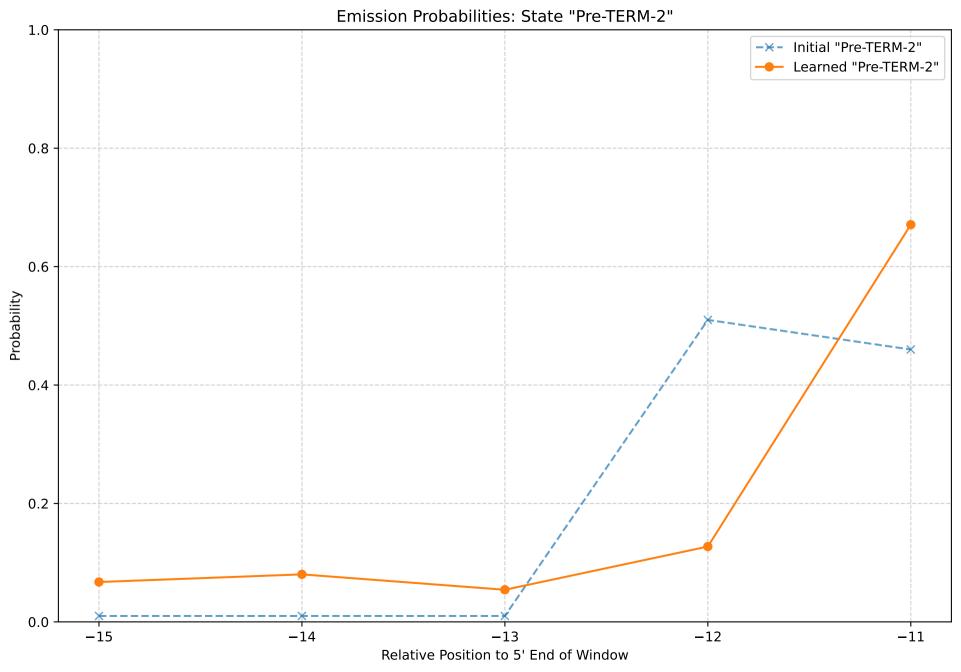


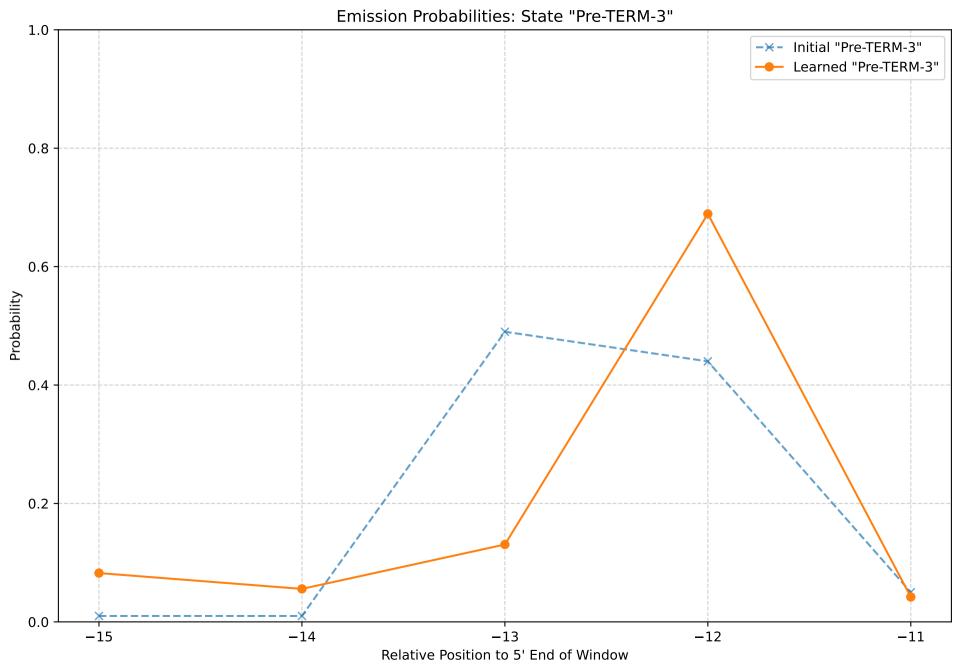


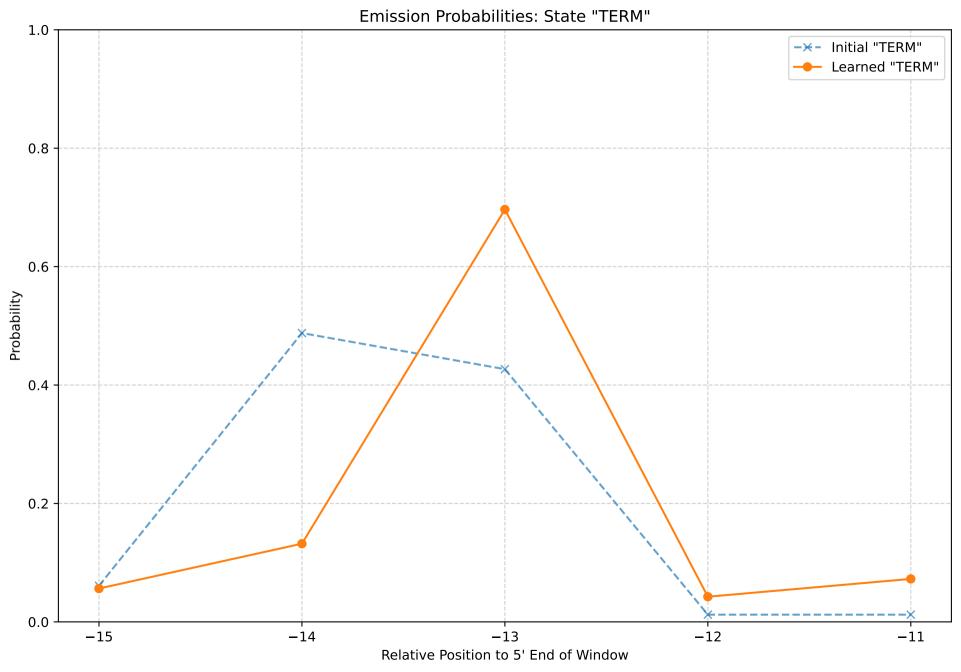


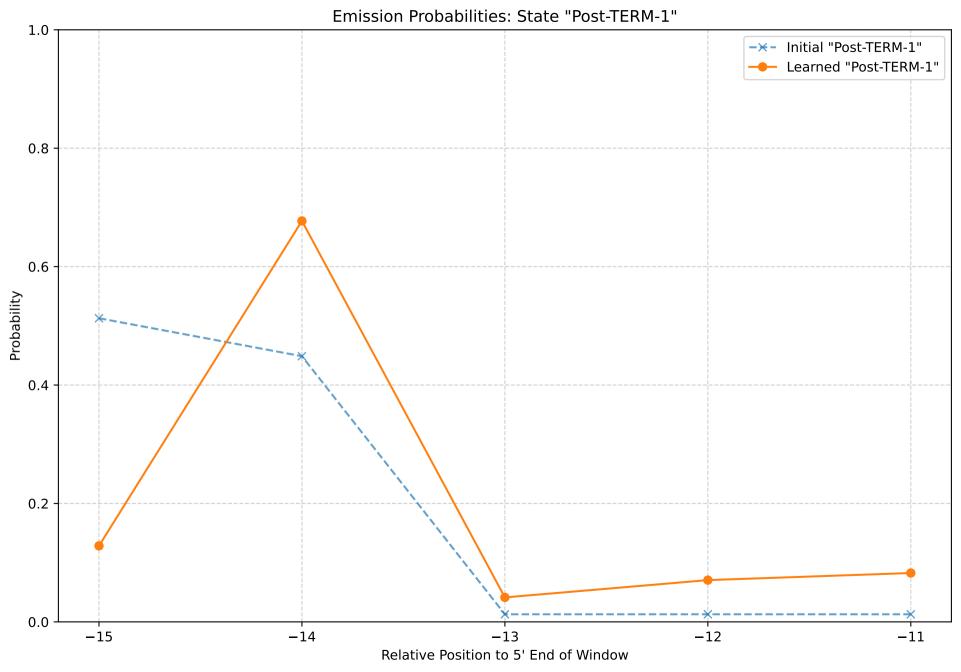


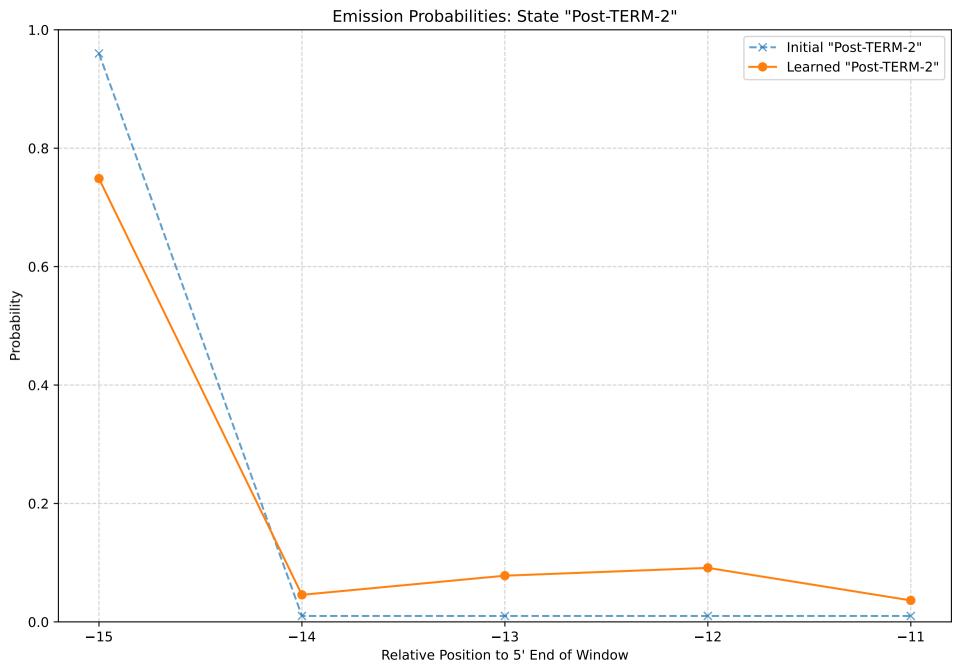


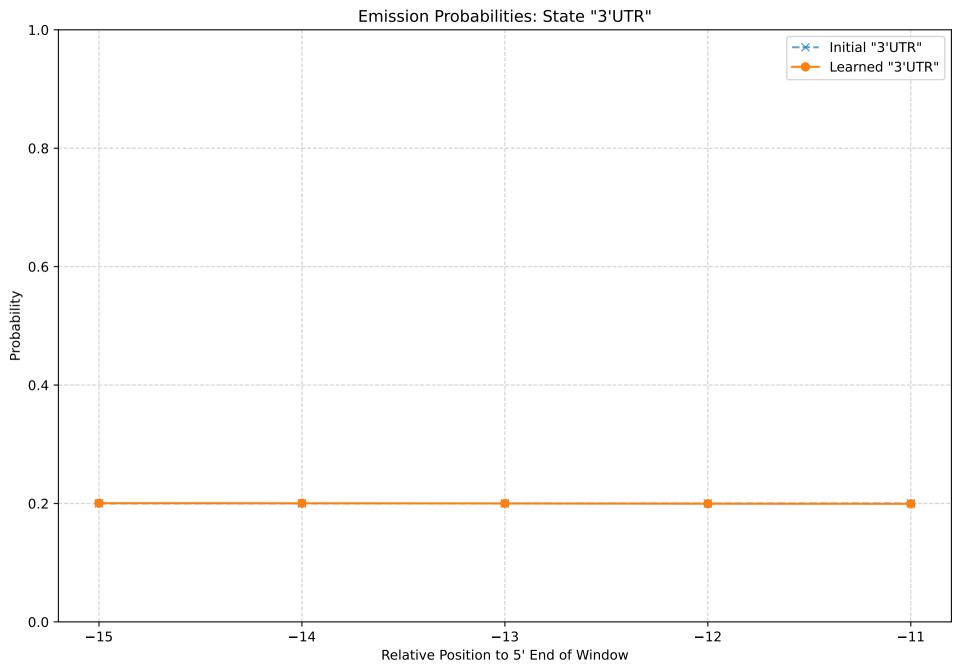


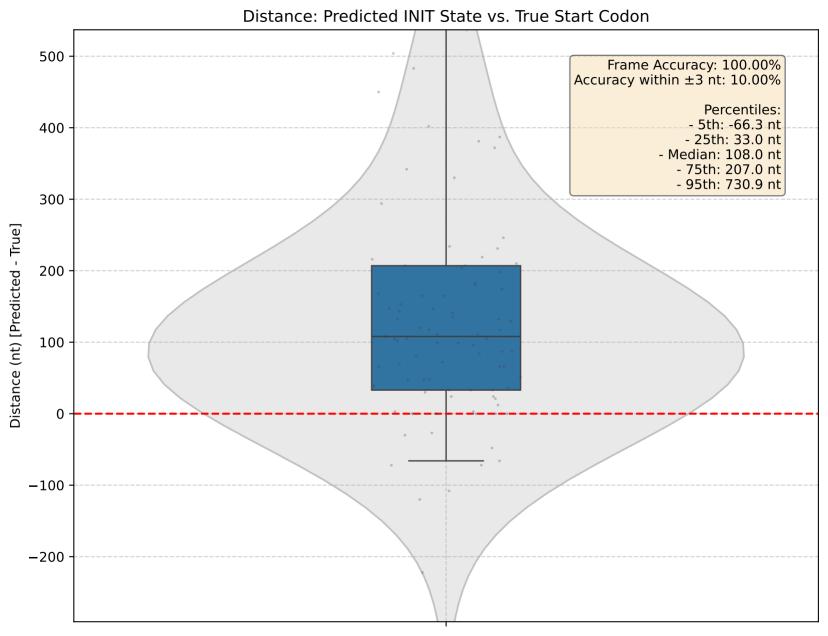




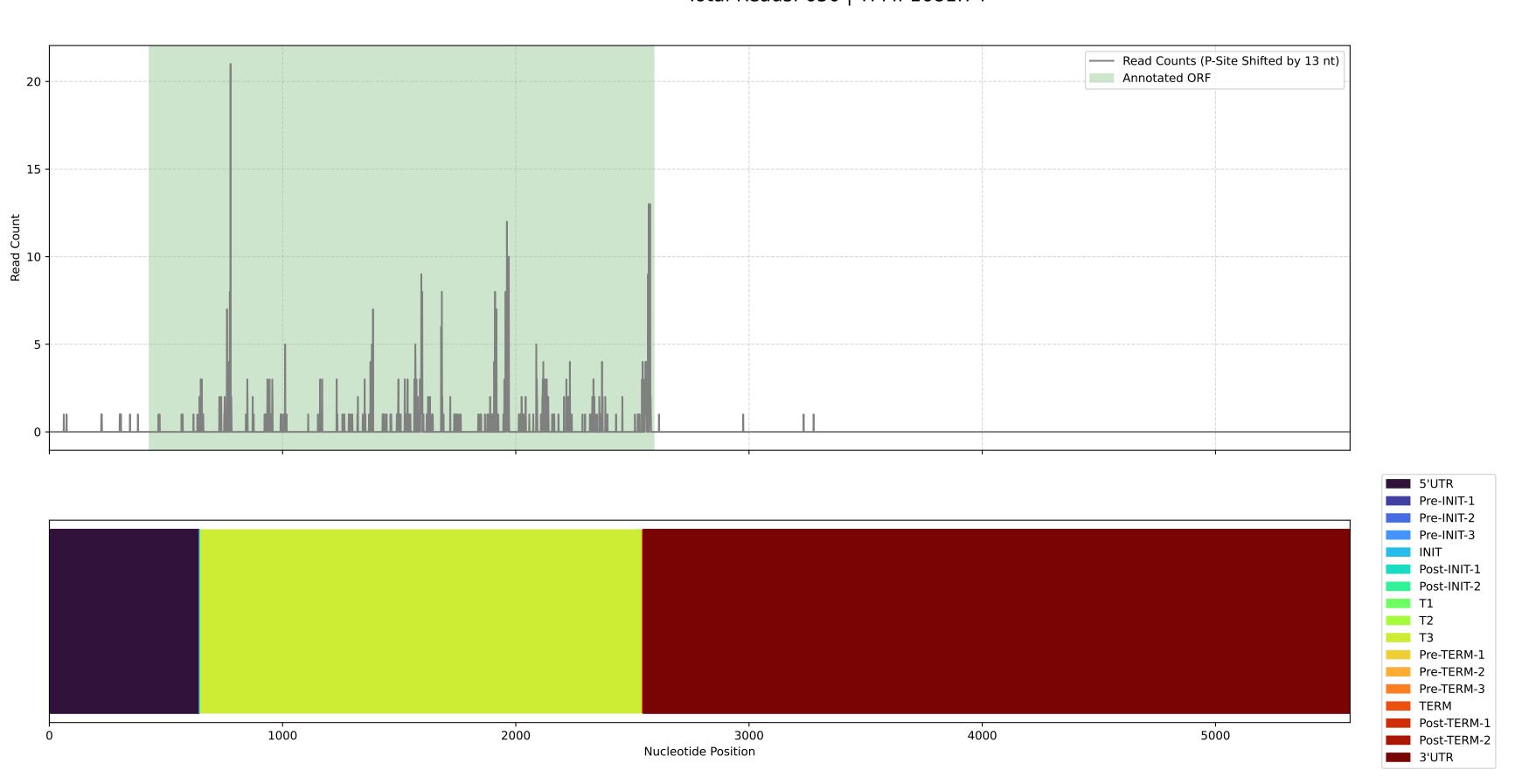




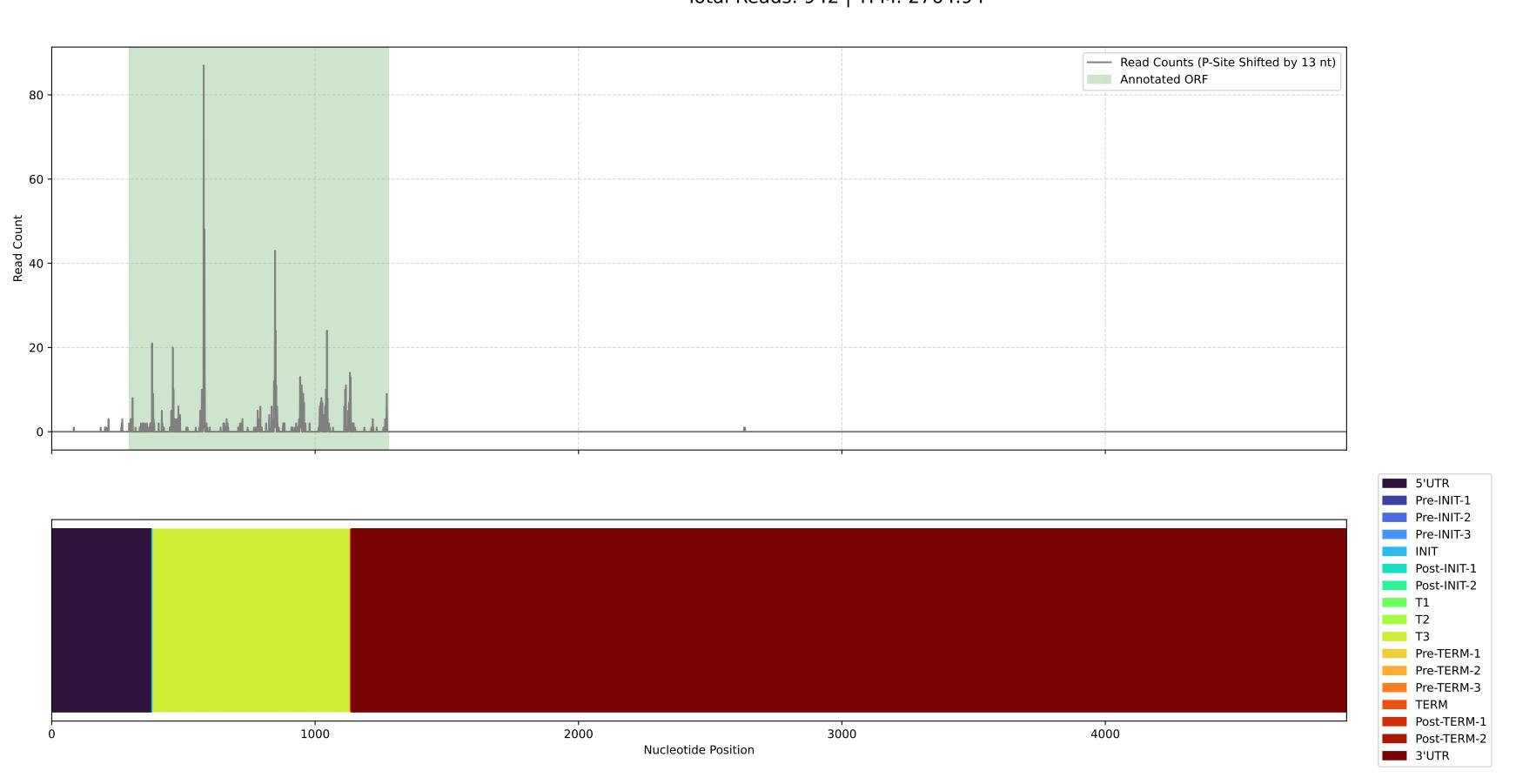




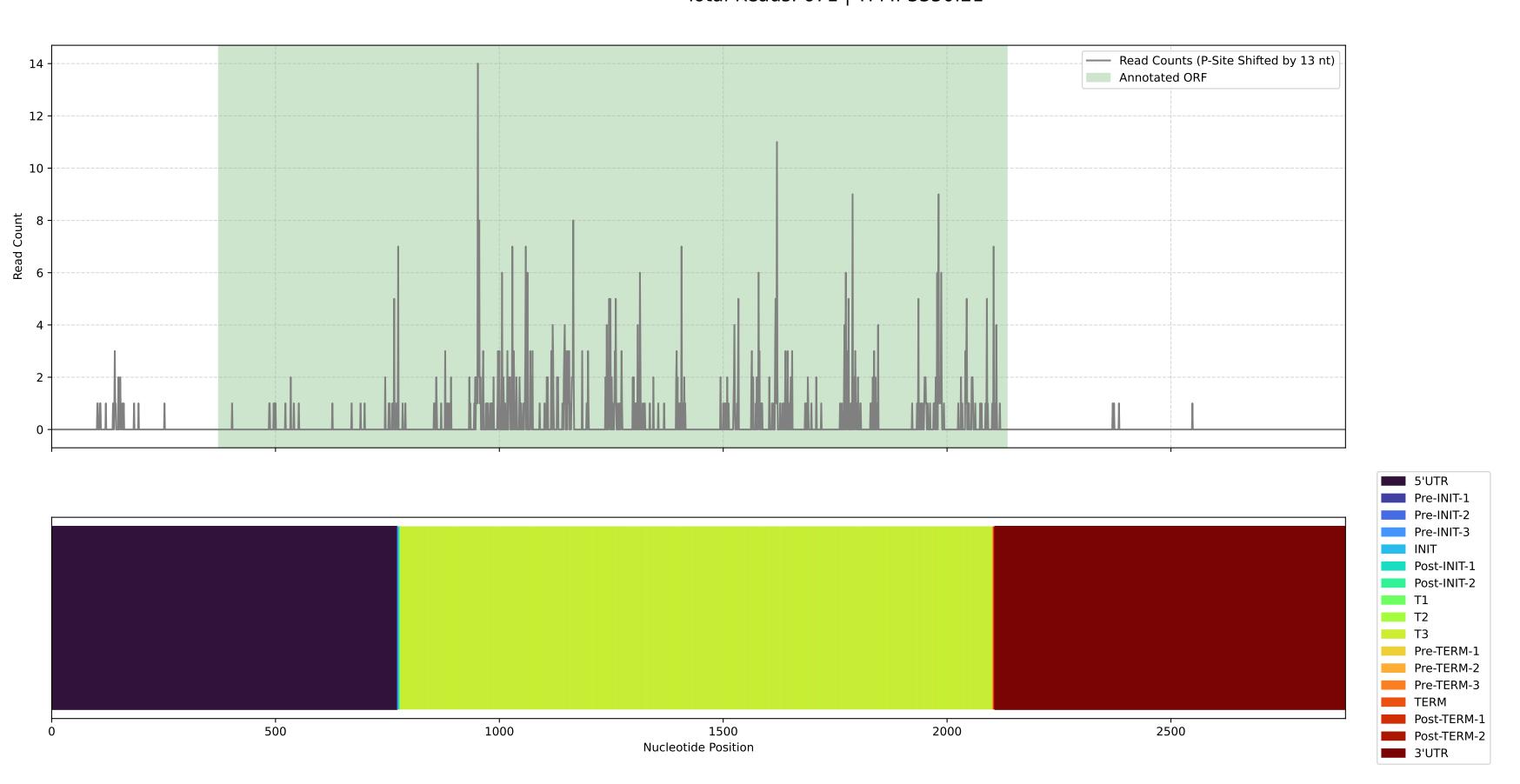
Example: 10th Percentile (by TPM) Transcript (ENST00000357430.8) Total Reads: 650 | TPM: 1681.74

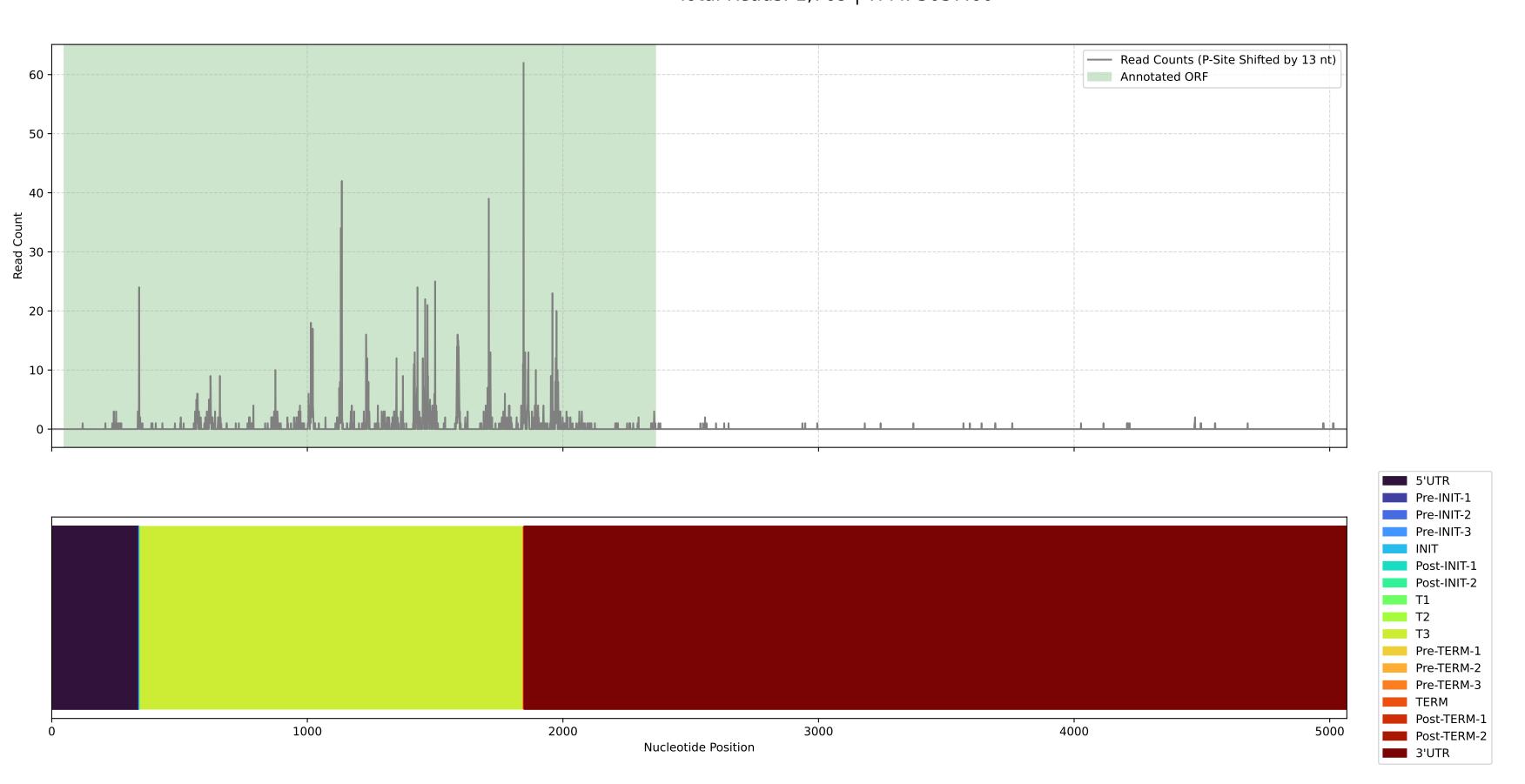


Example: 20th Percentile (by TPM) Transcript (ENST00000395366.3) Total Reads: 942 | TPM: 2764.94

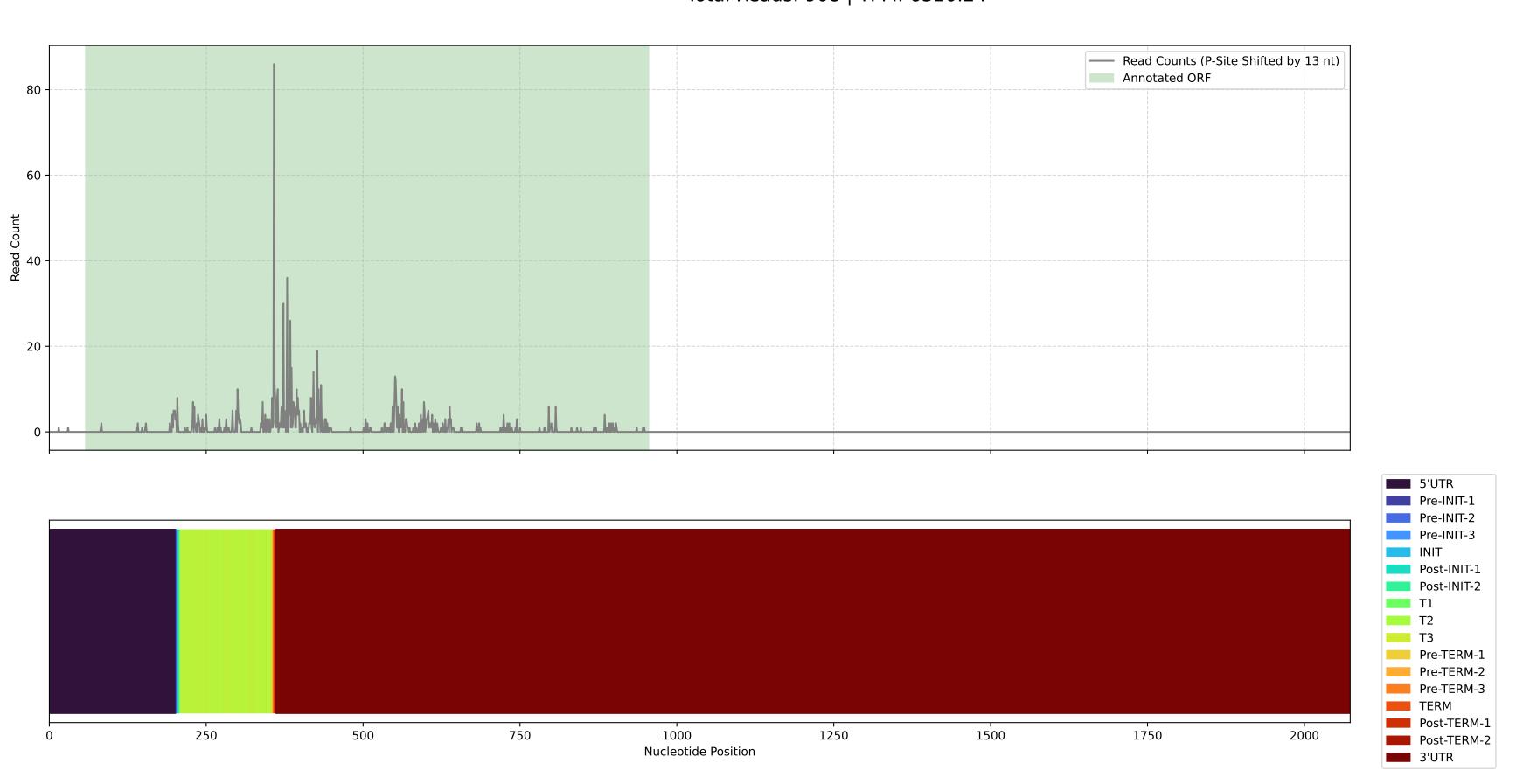


Example: 30th Percentile (by TPM) Transcript (ENST00000261366.10) Total Reads: 671 | TPM: 3350.21

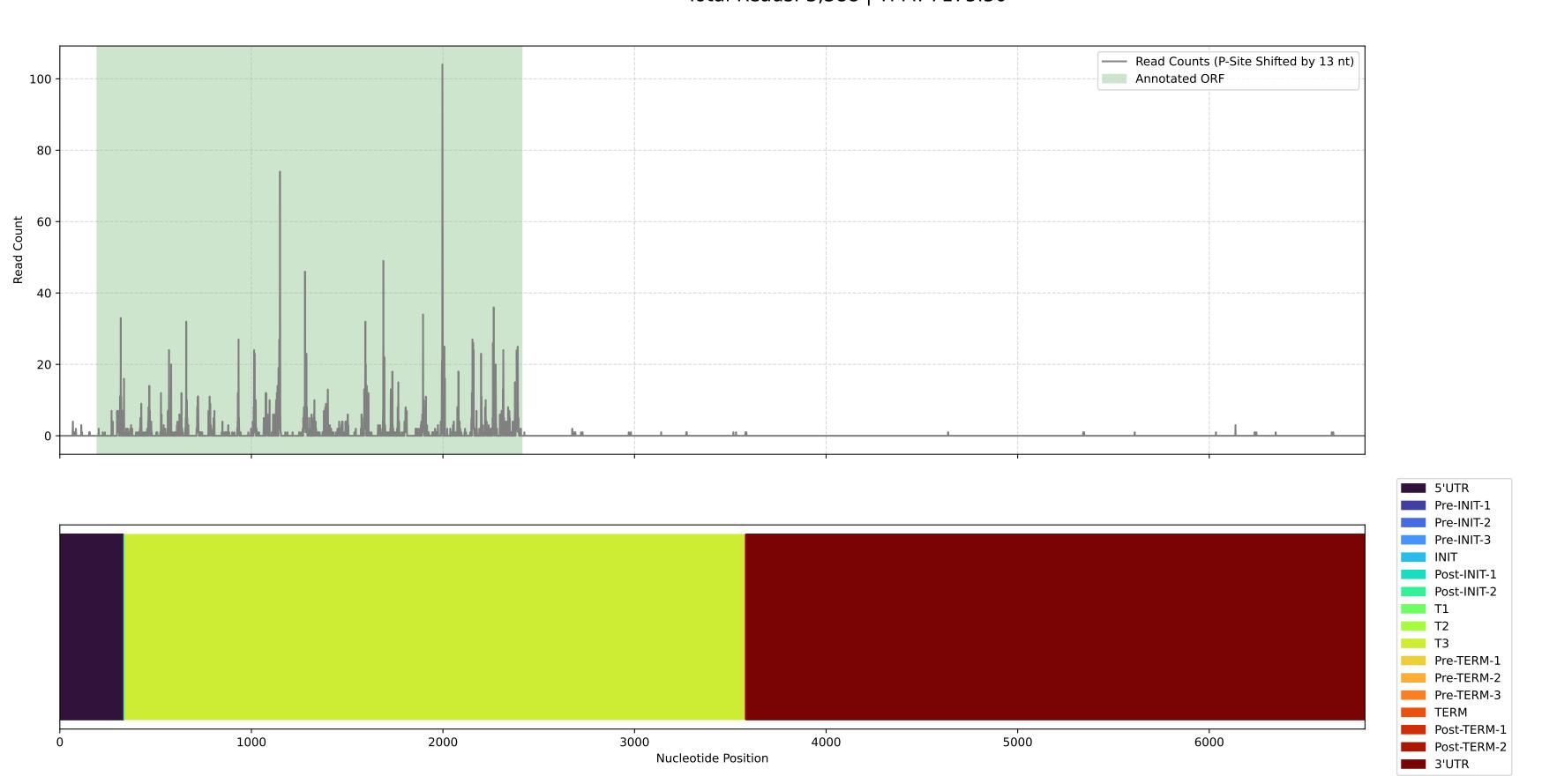




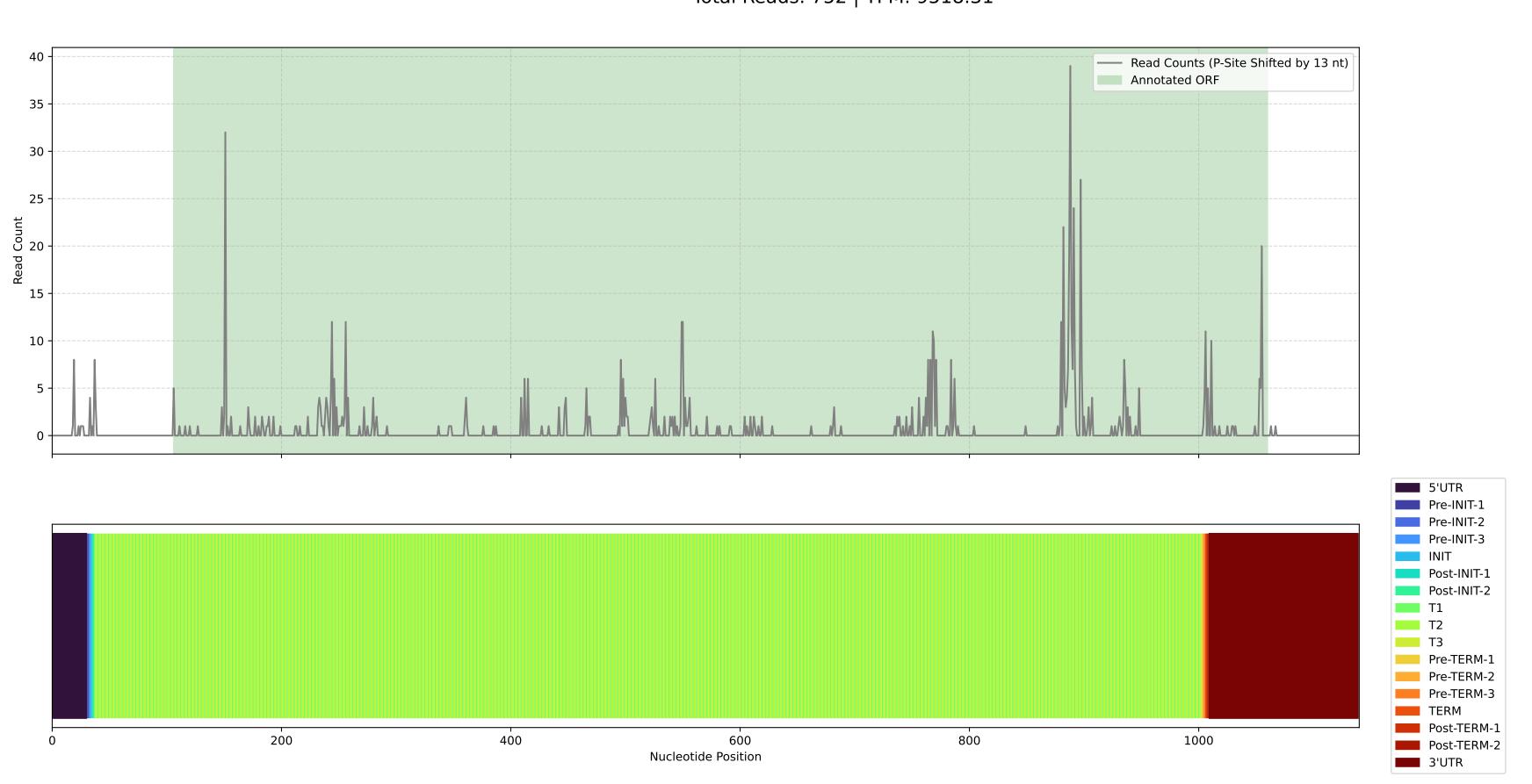
Example: 51th Percentile (by TPM) Transcript (ENST00000260130.9) Total Reads: 908 | TPM: 6320.24



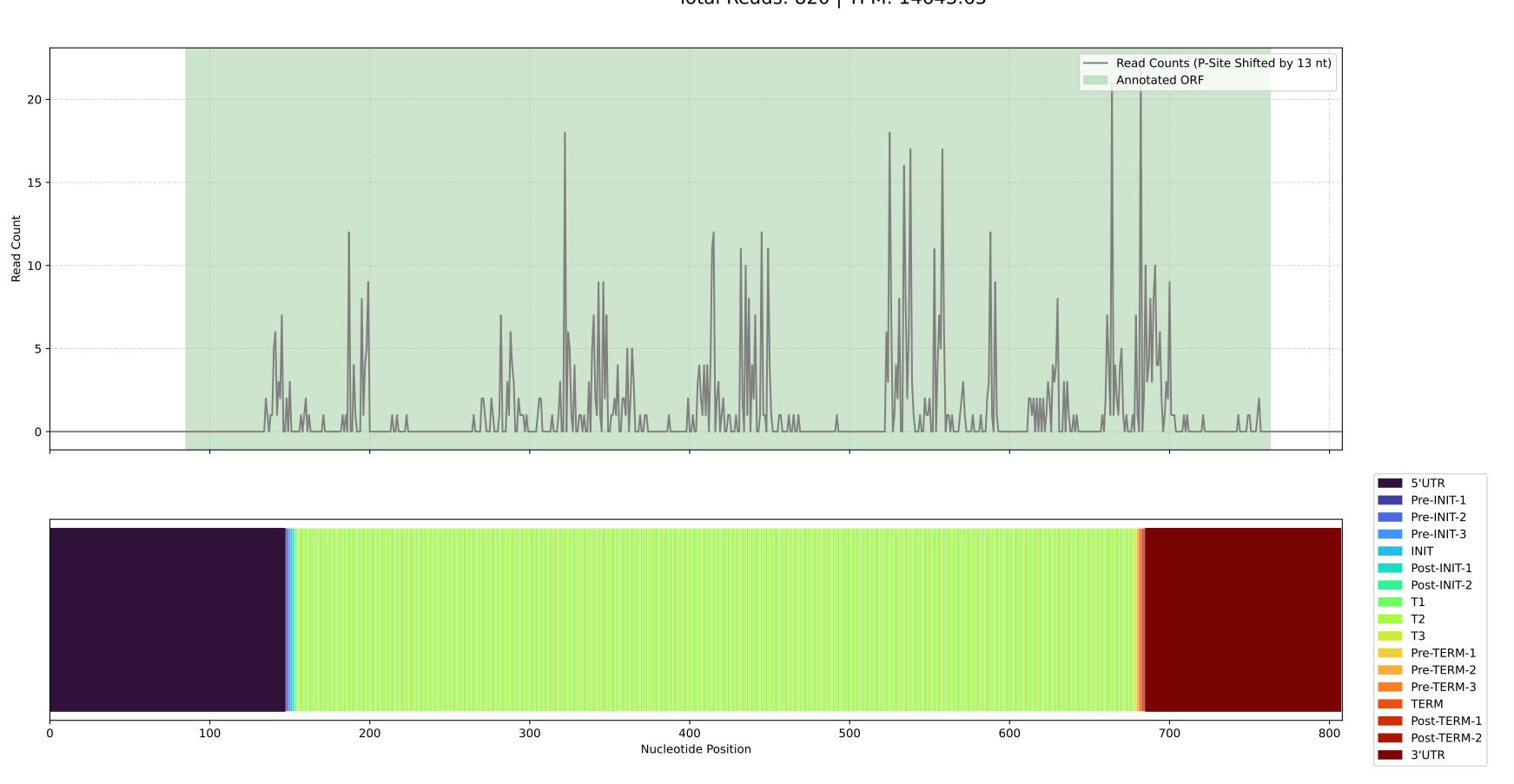
Example: 60th Percentile (by TPM) Transcript (ENST00000563924.6) Total Reads: 3,388 | TPM: 7175.50



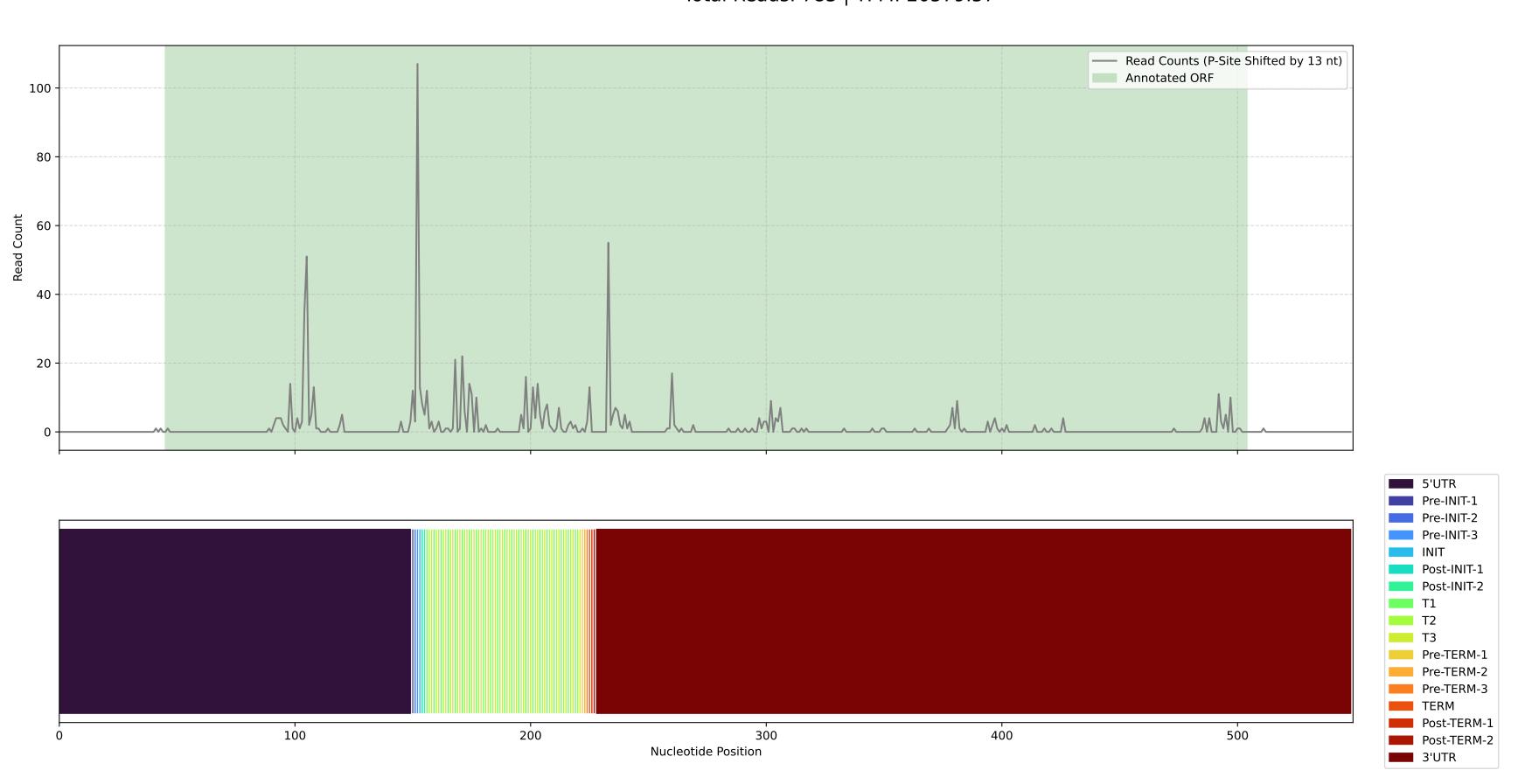
Example: 70th Percentile (by TPM) Transcript (ENST00000512805.6) Total Reads: 752 | TPM: 9518.31



Example: 80th Percentile (by TPM) Transcript (ENST00000392222.7) Total Reads: 820 | TPM: 14643.65



Example: 90th Percentile (by TPM) Transcript (ENST00000439602.7) Total Reads: 783 | TPM: 20579.57



Example: Max Expression Transcript (ENST00000233143.6) Total Reads: 3,720 | TPM: 116436.44

