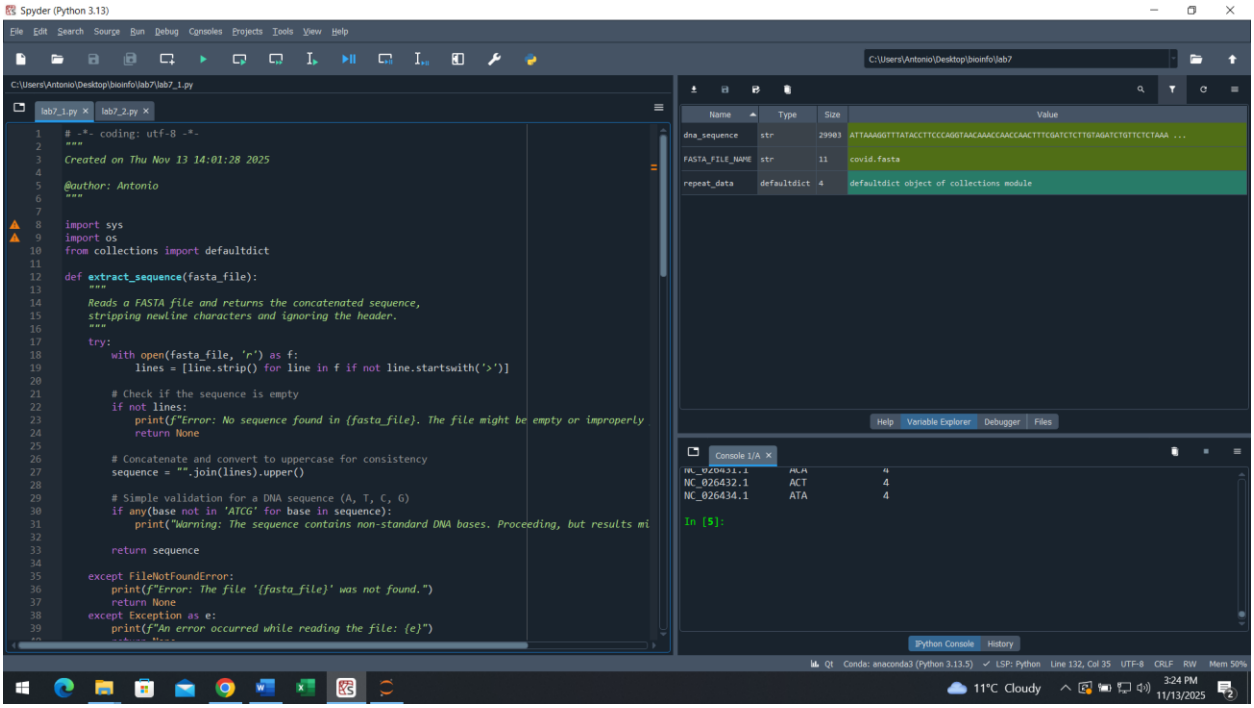
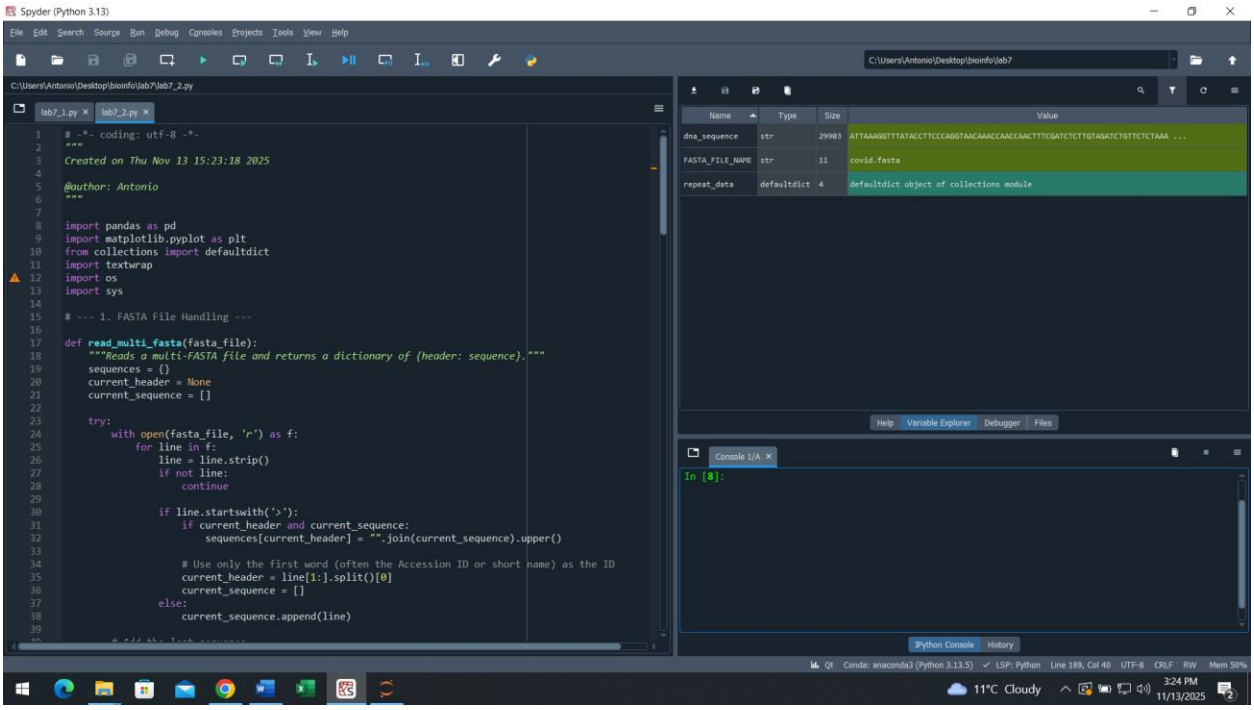
LABORATORY REPORT #7

GEORGESCU Mihai-Antonio, 1242EA
Bioinformatics, 4th year 1st semester, 2025-2026

lab7_1.py





DataFrame of Top Repeats per Genome:

Genome ID	Top Motif	Total Copies
NC_026438.1	AGA	15
NC_026435.1	AAG	14
NC_026422.1	AGA	14
NC_026423.1	GAA	12
NC_026433.1	AAA	8
NC_026436.1	ATG	8
NC_026437.1	AGA	6
NC_026431.1	ACA	4
NC_026432.1	ACT	4
NC_026434.1	ATA	4

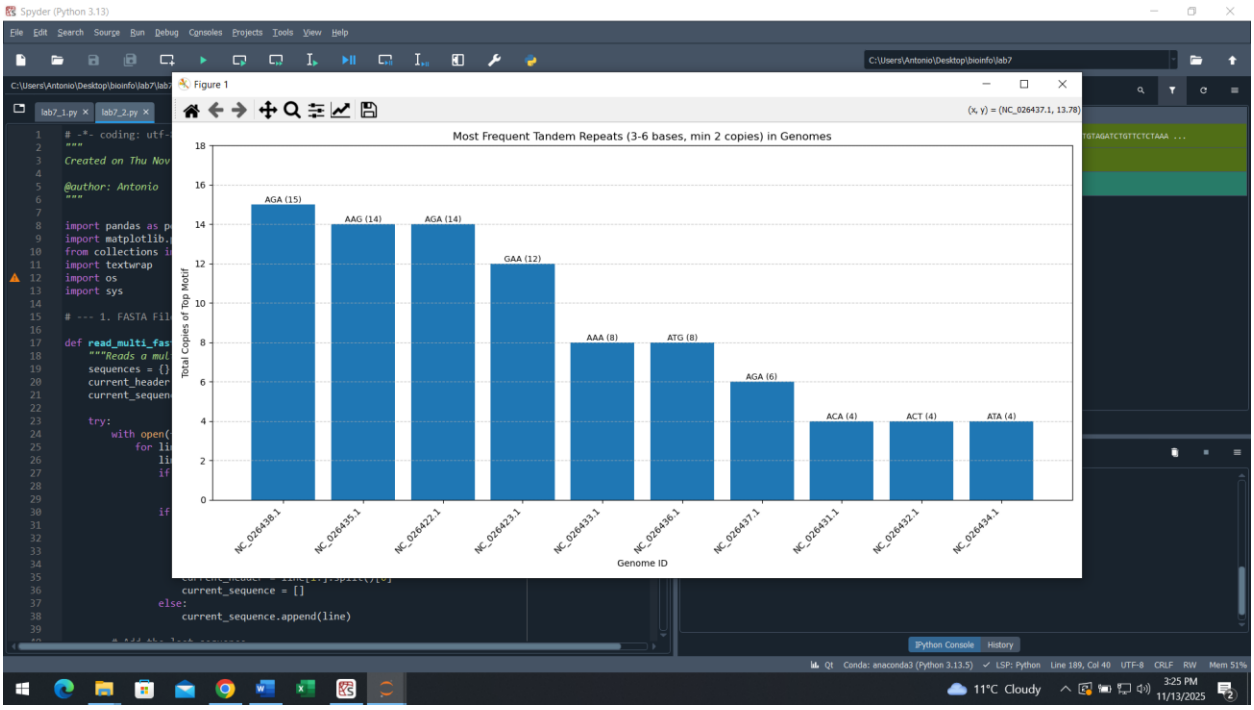


Figure 1
Most Frequent Tandem Repeats (3-6 bases, min 2 copies) in Genomes
Total Copies of Top Motif
Genome ID
AGA (15)
AAG (14)
AGA (14)
GAA (12)
AAA (8)
ATG (8)
AGA (6)
ACA (4)
ACT (4)
ATA (4)
NC_026438.1
NC_026435.1
NC_026422.1
NC_026423.1
NC_026433.1
NC_026436.1
NC_026437.1
NC_026431.1
NC_026432.1
NC_026434.1