

Fourier Spectral Analysis of Coding Sequences

Automated Report

November 20, 2025

Contents

1	Group 1: Single Peak at 0.33	2
2	Group 2: Single Peak Elsewhere	2
3	Group 3: Multiple Peaks	2
3.1	SCFR_NC_060927.1_199530585_199537254	2
3.1.1	Protein: frame1	2
3.2	SCFR_NC_060927.1_199530596_199537127	3
3.2.1	Protein: frame3	3
3.3	SCFR_NC_060927.1_199530610_199537132	4
3.3.1	Protein: frame2	4

1 Group 1: Single Peak at 0.33

2 Group 2: Single Peak Elsewhere

3 Group 3: Multiple Peaks

3.1 SCFR_NC_060927.1_199530585_199537254

3.1.1 Protein: frame1

Gene ID: SCFR

Nucleotide Accession: NC_060927.1

Sequence Length: 6669 bp

Protein Description:

Stop-codon-free region (199530585-199537254)

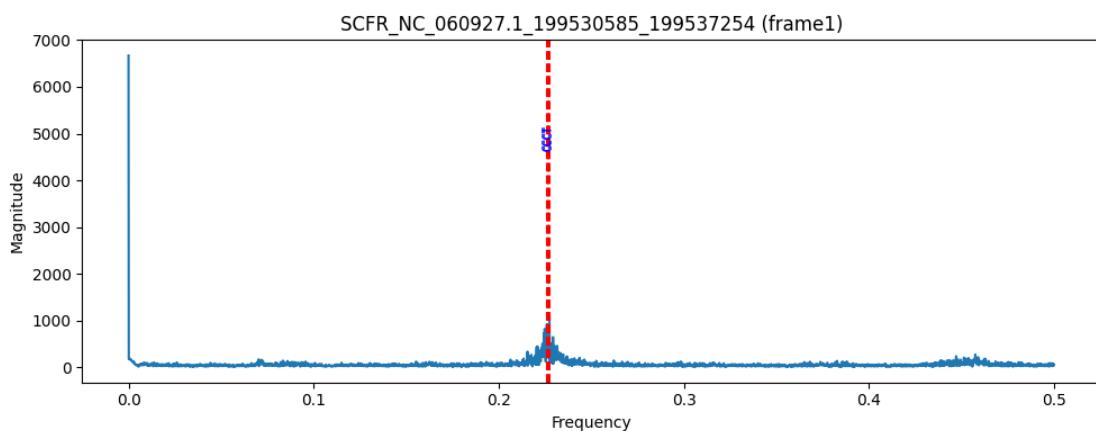


Figure 1: FFT Spectrum for frame1

Frequency	Motifs
0.227	CCCT (1086), TCCC (1058), TTCC (913), CCTT (910), CTTC (902)
0.226	CCCT (1086), TCCC (1058), TTCC (913), CCTT (910), CTTC (902)
0.226	CCCT (1086), TCCC (1058), TTCC (913), CCTT (910), CTTC (902)

3.2 SCFR_NC_060927.1_199530596_199537127

3.2.1 Protein: frame3

Gene ID: SCFR

Nucleotide Accession: NC_060927.1

Sequence Length: 6531 bp

Protein Description:

Stop-codon-free region (199530596-199537127)

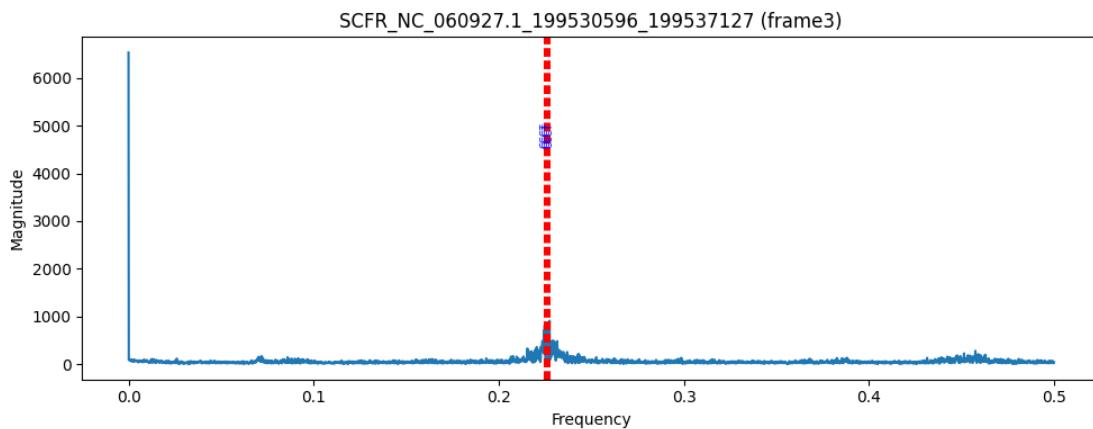


Figure 2: FFT Spectrum for frame3

Frequency	Motifs
0.227	CCCT (1086), TCCC (1056), TTCC (912), CCTT (910), CTTC (900)
0.226	CCCT (1086), TCCC (1056), TTCC (912), CCTT (910), CTTC (900)
0.225	CCCT (1086), TCCC (1056), TTCC (912), CCTT (910), CTTC (900)

3.3 SCFR_NC_060927.1_199530610_199537132

3.3.1 Protein: frame2

Gene ID: SCFR

Nucleotide Accession: NC_060927.1

Sequence Length: 6522 bp

Protein Description:

Stop-codon-free region (199530610-199537132)

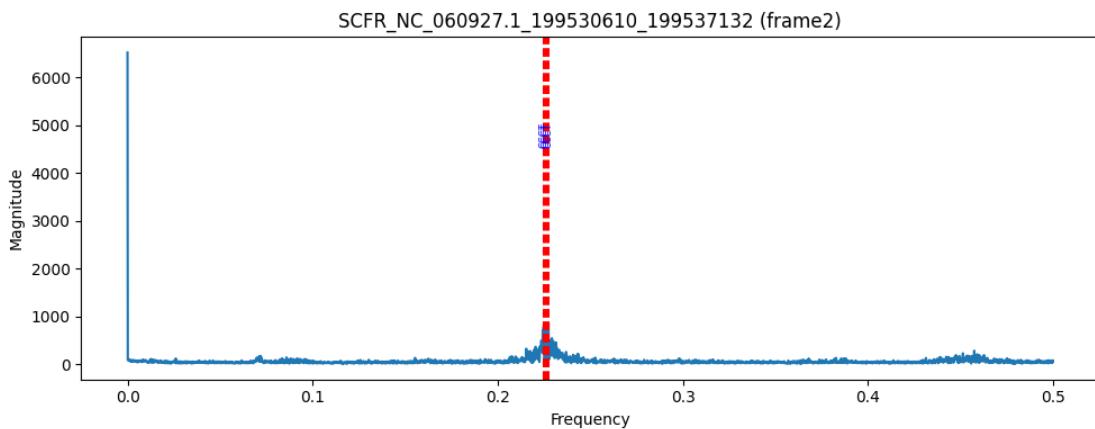


Figure 3: FFT Spectrum for frame2

Frequency	Motifs
0.227	CCCT (1086), TCCC (1056), TTCC (911), CCTT (910), CTTC (899)
0.226	CCCT (1086), TCCC (1056), TTCC (911), CCTT (910), CTTC (899)
0.225	CCCT (1086), TCCC (1056), TTCC (911), CCTT (910), CTTC (899)